

YUASA BATTERY

20
23



Powersports Battery

Applications & Specifications

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DISCLAIMER

The replacement battery information published in this book has been obtained from the equipment manufacturers listed, except as otherwise noted. Users are cautioned that the information contained in this book was the most current information provided to us at the time of publication. The information is subject to change upon notice from equipment manufacturers or field experience. Users should always use the most current edition of the Yuasa Battery Applications and Specifications. Yuasa expressly denies any responsibility for the accuracy of the information provided to us. While we have made every effort to accurately catalog the replacement battery information contained in this book, Yuasa denies any liability for damages as a consequence of using the information in this book. Users should also attempt to obtain replacement battery information from the equipment manufacturer's user manual or service department for their specific application.



GYZ Series AGM

- More active material surface area for enhanced performance and power
- Highest CCA motorcycle battery (500 CCA on GYZ32HL)
- Large heavy-duty flush terminals with multiple connections (GYZ32HL, GYZ20HL, GYZ20H)
- Built in brass nuts (GYZ32HL, GYZ20H, GYZ20HL)

High Performance AGM

- All the features of a standard AGM battery plus increased power
- YTZ Series: Small size, lightweight with huge power.
- H Series: Increased power-up to 30% more cold cranking amps
- YIX Series: Improves cold climate performance

AGM (Maintenance Free)

- Maintenance Free – no need to add water, but periodic charging required when not in use
- Absorbed Glass Mat (AGM) Separators – an advanced battery technology that eliminates the need to ever add water
- Advanced lead-calcium technology – holds its specific gravity more than 3 times longer than conventional lead antimony batteries

Yumicron / Conventional

- Special thin separators – allow two extra plates per cell to be installed, for a 30% improvement in cranking performance
- Engineered to protect against corrosion, withstand vibration, and deliver high cranking power
- The original batteries with thicker plates and separators.
- 6 volt and 12 volt varieties

ABOUT YUASA BATTERY

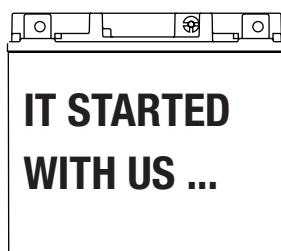
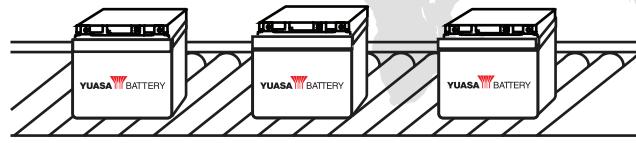
YUASA BATTERY THE PIONEER AND LEADER OF POWERSPORTS BATTERIES SINCE 1979



THE INDUSTRY STANDARD

Yuasa has set the standard by which all other powersports batteries are judged.

It's why **more OEMs** and riders - in the US and worldwide - choose Yuasa.



1981

- 1st OEM motorcycle battery YB14L-A2 to Honda

1985

- 1st OEM ATV battery YB14A-A2 to Polaris
- 1st OEM snowmobile battery YB16L-B to Arctic Cat

1979

- 1st Conventional Battery: 12N14-3A
- 1st Yumicron Battery: YB14L-A2

2008

- The most powerful, toughest AGM batteries for the American market: **GYZ Series**
- 1st OEM motorcycle battery GYZ20L for Honda Goldwing

2017

- **100th anniversary of Yuasa's parent company, GS Yuasa.**
- "100 Years of History, 200 Years of Expertise"

2004

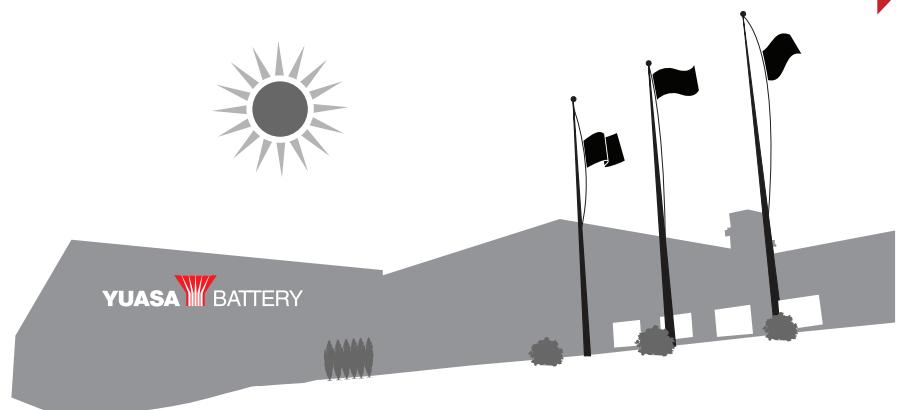
- 1st OEM motorcycle battery YTZ20CH-BS to Suzuki

2011

- 1st OEM battery GYZ16H to Honda



Yuasa Battery Plant Facility



1988

- 1st OEM WaveRunner battery to Yamaha YB16CL-B
- Industry's de-facto standard for AGM motorcycle batteries even today: **YTX series**

1990

Honda

- 1st YTX OEM ATV battery YTX12-BS to

2001

- 1st OEM SEA-DOO to BRP YB30CL-B

1989

- 1st YTX battery: YTX12BS

1999

- The most powerful, compact AGM batteries for powersports applications: **YTZ series** (1st FA global lineup)

**ADVANCED ENGINEERING,
PREMIUM QUALITY,
UNMATCHED RELIABILITY**

2022



- Launch of the YBX series in the North American market.



FEATURES AND BENEFITS

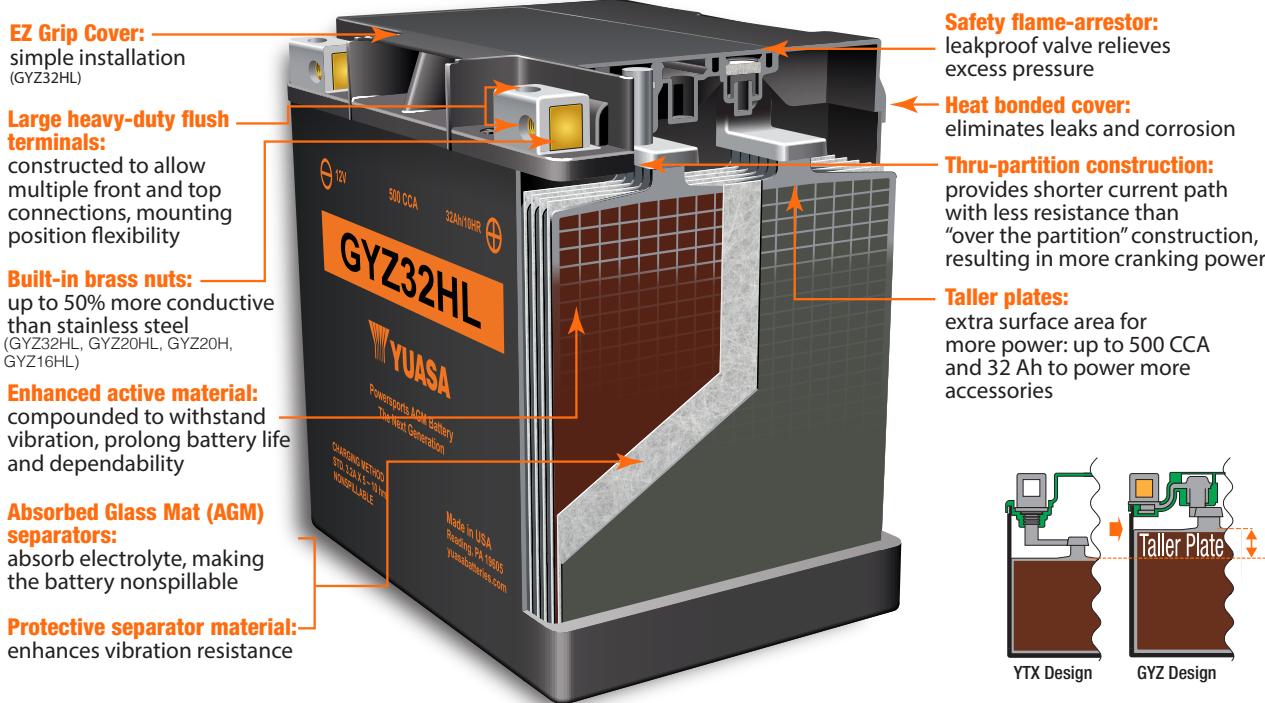
Components	Features	Benefits
Cast grid	Special grid design	Severe vibration resistance and improved conductivity
Active material	Proprietary formulation	Reduced shedding, maximum utilization and long service life
Pasted plates	Specified thickness and weight	Ensures vibration resistance through precise compression and proper service life through specified active material balance
Dried-charged plates	Tank formed and dried plates	Properly dried plates in a sealed battery have a virtually limitless shelf-life
Top lead connections	Through-partition construction, large straps	Shorter current path for increased electrical conductivity and higher starting currents, heavier parts for maximum durability
Case-cover seal	Thermal bonded plastic	Air tight seal to prevent air ingress and acid seepage
Terminal-cover seal	Patented poly-seal terminal	Eliminates acid seepage, reduces corrosion and extends battery life
Case and cover	Polypropylene	Superior resistance to gasoline and oil, impact resistant in extreme weather conditions
Additive	Sulfate stop (some models)	Sulfate stop added to reduce the solubility of lead into the acid, which then reduces battery sulfation potential
Yumicron		
Separator	Leaf or envelope separator	Polyethylene with glass mat sheet bonded for compression to withstand severe vibration conditions
GYZ/YTX/High Performance AGM		
Separator	AGM (absorbed glass mat)	High puncture resistant separator for increased service in high vibration applications
Top lead alloy	Calcium alloy	Increased weld strength and severe vibration resistance
Vent system	Valve and flame arrestor	Valve relieves excess pressure to prevent bursting, flame arrestor prevents internal combustion

GYZ	CAPACITY [AH]	CCA*	V-TWIN	ATV/UTV	UPGRADE FOR:	CAPACITY [AH]	CCA*
GYZ16H	16	240			YTX14	12	200
GYZ16HL**	16	240			YTX14L	12	200
GYZ20H	20	320			YTX20H	18	310
GYZ20HL	20	320			YTX20HL	18	310
GYZ32HL	32	500			YIX30L	30	400

*CCA measured by BCI/SAE standard at 0° F.

**Upgraded to built in brass nuts

GYZ CUTAWAY DIAGRAM



GYZ	CAPACITY [AH]	CCA*	METRIC	ATV/UTV	UPGRADE FOR:	CAPACITY [AH]	CCA*
GYZ16H	16	240			YTX14	12	200
GYZ20L	20	250			YTX20L	18	270
GYZ20H-A	20	320			N/A	N/A	N/A

YTZ BATTERY

YTZ	CAPACITY Ah (10HR)	CAPACITY Ah (20HR)	CCA*	Dimensions - Inches LxWxH ($\pm 1/16$ in)	Dimensions - Millimeters LxWxH (± 2 mm)	Approx. Weight with Acid (LBS)	Approx. Weight with Acid (KGS)
YTZ7S	6	6.3	130	4 7/16 x 2 3/4 x 4 1/8	113 x 70 x 105	4.6	2.1
YTZ10S	8.6	9.1	190	6 x 3 7/16 x 3 11/16	150 x 87 x 93	7.0	3.2
YTZ12S	11	11.6	210	6 x 3 7/16 x 4 3/8	150 x 87 x 110	8.2	3.7
YTZ14S	11.2	11.8	230	6 x 3 7/16 x 4 3/8	150 x 87 x 110	8.6	3.9

*CCA measured by BCI/SAE standard at 0° F.

YTZ CUTAWAY DIAGRAM

HEAT SEALED CASE TO COVER

Protects against leakage and corrosion and provides for extra strength and durability

SPECIAL ACTIVE MATERIAL

Compounded to withstand vibration, it prolongs the battery life in storage and provides reliable starting power when needed

UNIQUE EXPANDED PLATE GRID DESIGN

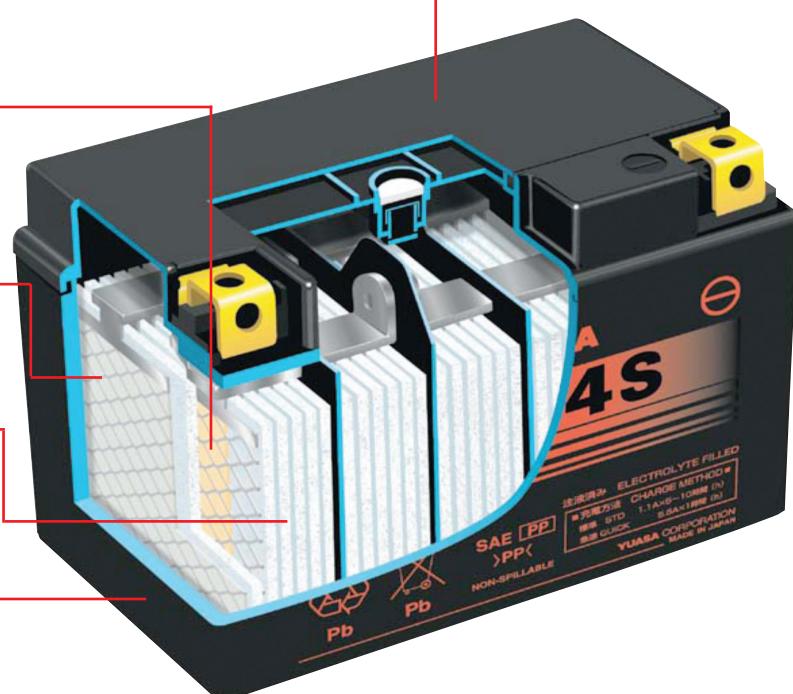
Increased number of plates for maximum starting power and to withstand severe vibration resistance

AGM SEPARATORS

Absorbed Glass Matt separators absorb the electrolyte and make the battery spill-proof. The valve regulated design eliminates water loss and the need for refilling

POLYPROPYLENE (PP) COVER & CONTAINER

Protects against fuel and oil and designed to withstand vibration and impact under extreme conditions



LONGER BATTERY LIFE WITH MORE VOLUME EFFICIENCY



YBX9140R

**YBX9140R
Group 140R
L1**

YBX

9000

AGM

**START
STOP
PLUS**



Manufacturer	Part Number	CCA	Model	Year
KAWASAKI	YBXM79L1560MUL	990	MULE PRO DTX, DX	16-22
		950	KAF950 MULE 2510	-10
		820	MULE 4010 DIESEL	11-13
		820	MULE PRO, FXT, FX	15-22
POLARIS	YBXM79L1560RZR	1000	RZR, XP, TURBO 4	14-22
		900	TRAIL	21-22
	YBXM79L1560RAN	1000	GENERAL 4, XP, XP4	16-22
			RANGER DIESEL	15-18
			CREW 1000	17-22
			CREW XP	17-22
			RANGER DIESEL	11-14
		900	RANGER XP	13-22
			RANGER CREW	14-22
		800	RANGER 6x6	14-16
		570	RANGER 570, NSTR	-22



Yuasa Battery Technical Data Sheet

Yuasa YBX9140R - YBX9000 AGM Start Stop Batteries

Performance	
Voltage	12V
Capacity (20-hour)	50Ah
Cold Cranking Amps	560A

Performance Marking			
WATER LOSS W5	CHARGE RETENTION C2	VIBRATION V3	MICRO-CYCLE M3
W1 - W5	C1 - C2	V1 - V4	M1 - M3

Dimensions		
Length	8 1/2 in	207 mm
Width	6 7/8 in	175 mm
Height	7 1/2 in	190 mm

Weights & Measures		
Mean Weight with Acid	34.17 lbs	15.5 kg



Container Features	
Case Type	L1 DIN AGM
Hold Down	B3
Handles	Yes
End Venting	Yes
Semi-Traction Features	Yes
Lid Type	VRLA

TERMINAL TYPE	CELL ASSEMBLY LAYOUT		BATTERY HOLD-DOWN
T1 STANDARD DIN POST			
			B3

Technology	
Flame Arrestor	Yes
Technology	Ca/Ca VRLA
Separator	AGM
VDA Roll Over Test	Yes
Recommended Charge Rate	3A

TERMINAL TYPES

Terminal shapes vary from one battery to another. By identifying the correct replacement battery from the listing in this book, you are assured of the proper terminal configuration. For custom applications, refer to the following chart to identify terminal shape and corresponding batteries.

Terminal					Battery Type				
Type	Illustration	Front	Side	Top					
1					YB7C-A	YTX16-BS-1	YB14L-A1		
2					YB9L-A2	12N5.5-4A	YB16AL-A2		
3					12N24-3	12N24-3A	Y60-N24-A		
4					GYZ20L YB30L-B YTX15L-BS YTX20L-BS	Y50-N18L-A3 YIX30L-BS YTX16-BS YTX24HL-BS	YB12C-A YIX30L-BS-PW YTX20-BS YTX20HL-BS	YB16B-A YTX14AHL-B YTX20H-BS YIX20HL-BS	YB30CL-B YTX14AH-BS YTX20HL-BS-PW GYZ20H-A
5					GYZ16H GYZ16HL YB4L-B YTX14L-BS	YTX7L-BS KMX14-BS YT12A-BS YTX20CH-BS	YTX9-BS YB16C-B YTX12-BS YTX4L-BS	YTZ5S YTZ7S YB16CL-B YTX14-BS	YTX5L-BS YB4L-A YTX14H-BS YTX7A-BS
6					YB3L-A YB7L-B YB12A-A YB16-B YB16-3B 12N5-3B 12N7-4A 12N9-4B-1 6N6-3B	YB3L-B YB9A-A YB12AL-A YB16-B-CX 12N5-4B 12N7-4B 12N10-3A 6N6-3B-1	YB5L-B YB9-B YB12AL-A2* YB16L-B 12N5.5-3B 12N7D-3B 6N11A-1B B54-6	YB7-A YB9L-B YB12A-B YB16HL-A-CX 12N5.5A-3B 12N12A-4A-1 6N11-2D B38-6A	YB7B-B YB10L-B YB14A-A1 SYB16L-B 12N7-3B 12N9-3B 6N12A-2D B39-6
7					HYB16A-AB Y50-N18A-A	YB16B-A1** Y50-N18L-A	YB18-A Y50-N18L-A-CX	YB18L-A SY50-N18L-AT	
8					YB10A-A2 YB14-A2 YB14-B2	YB10L-A2 YB14A-A2 YB14L-B2	YB10L-B2 YB14L-A2 12N14-3A	YB12B-B2 SYB14L-A2 12N11-3A-1	
9					YHD-12				
10					51814	51913	53030	YT19BL-BS	
11					YT9B-BS YT7B-BS	YTZ10S YT12B-BS	YTZ12S	YTZ14S	YT14B-BS
<i>Note: Terminal is Brass Plated Steel</i>									
12					YTR4A-BS				
13					YT4B-BS				
14					GYZ20H	GYZ32HL	GYZ20HL	<i>Note: Encapsulated Brass Nut</i>	

* Includes terminal adapter for converting to top mount

** Includes terminal adapter for converting to side mount

HARDWARE AND BATTERY TYPE NUMBERS

Part No.	Includes**	Fits				
478030	12mm lg. stainless steel hex bolt 20mm lg. stainless steel hex bolt 8mm stainless steel nut, lock washer and round brass spacer	YTX20-BS	YTX20L-BS	YB30CL-B	YB30L-B	
479100	12mm lg. stainless steel hex bolt 5mm stainless steel rectangular nut	Y50-N18L-A3 YTX14H-BS	YTX9-BS YTX14AH-BS	YTX12-BS YTX14AHL-BS	YTX14-BS GYZ16H	YTX20CH YIX30L
479862	12mm lg. stainless steel hex bolt 8mm stainless steel rectangular nut	YTX15L-BS YTX24HL-BS	YTX20(H)-BS YIX20HL-BS	YIX30L-BS-PW YB30L-B	GYZ20L YB30CL-B	
479102	14mm lg. stainless steel hex bolt 5mm stainless steel square nut	YB16CL-B YTX14L	YB16C-B Y50-N18L-A-CX	Y50-N18L-A HYB16A-AB	YB18-A	
479104	12mm lg. stainless steel hex bolt 20mm lg. stainless steel hex bolt 5mm stainless steel nut, lock washer and round brass spacer	YTX14L-BS for Harley Davidson Sportster YTX14 ^{FA} for Harley Davidson V-ROD 02-07 YTX14H ^{FA} for Harley Davidson V-ROD 02-07 YTX12 YIX30L				
479643	12mm lg. stainless steel hex bolt 20mm lg. stainless steel hex bolt 8mm brass nut, lock washer and square brass spacer	YTX20H-BS YTX20(H)L-BS-PW	YTX20HL-BS	YTX24HL-BS	YIX30L-BS	
479876	12mm lg. stainless steel hex bolt 16mm lg. stainless steel hex bolt 5mm rectangular brass nut, lock washer and square brass spacer	YIX30L				
479699	12mm lg. stainless steel hex bolt and lock washer	GYZ20H	GYZ20HL	GYZ32HL		
4710123	12mm lg stainless steel hex bolt lock washer square brass spacer	GYZ16HL				
5BNBSBA12	12mm lg. brass hex bolt 5mm brass nut	GYZ20H-A				
5BNBSSF6M	11mm lg. stainless steel hex bolt 5mm stainless steel hex nut	YB14A-A1 YB14L-A2	YB14L-B2 YB14-A2	YB14A-A2 YB14-B2		
5BNBSS14M	14mm lg. stainless steel hex bolt 5mm stainless steel hex nut	12N74A YB18L-A	HYB16A-AB YHD-12H	YB16L-B Y50-N18L-A	YB18-A SY50-N18L-A	
5BNBSS22M	22mm lg. stainless steel hex bolt 5mm stainless steel hex nut and round brass spacer	YB16-B	YB16-B-CX	YB16HL-A-CX	YB16L-B	

DESIGNATION OF BATTERY TYPE NUMBERS

Conventional

12 N 12A-4 A-1

- 1** Nominal voltage
- 2** Conventional battery
- 3** Size of battery case
- 4** Polarity location
- 5** Exhaust location
- 6** Designates unique terminal

High Performance Conventional

YB 16A L-A2

- 1** High Performance Conventional battery
- 2** Size of battery case
- 3** Polarity location
- 4** Terminal and Exhaust location

AGM

YTX 14 A H L-BS-1

- 1** High Performance AGM (YTX, YIX, YTZ, YT, GYZ)
- 2** Performance classification
- 3** Designates unique battery case size
- 4** Higher CCA
- 5** Polarity location
- 6** Bottle supplied electrolyte
- 7** Designates unique terminal

** All hardware listed above is M6 thread
FA Must use factory activated battery

BATTERY SPECIFICATIONS

AGM, HIGH PERFORMANCE

FACTORY ACTIVATED (Non-Spillable)

12 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions - Inches ($\pm 1/16$ in)			Dimensions - Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight with Acid (lbs.)	Terminal Type (Refer to page 8)	Acid Volume (Liter)	Regular Charge Current (Amp)	C.C.A. @ 0 °F (-18 °C)
		L	W	H	L	W	H						
GYZ16H	16	6	3 7/16	5 3/4	150	87	145	[+ - ---]	12.4	5	N/A	1.6	240
GYZ16HL	16	6	3 7/16	5 3/4	150	87	145	[--- --- +]	12.4	5	N/A	1.6	240
GYZ20L	20	6 7/8	3 7/16	6 1/8	175	87	155	[--- --- +]	15.2	4	N/A	2.0	250
GYZ20H	20	6 7/8	3 7/16	6 1/8	175	87	155	[+ - ---]	15.7	14	N/A	2.0	320
GYZ20H-A	20	6 7/8	3 7/16	6 1/8	175	87	155	[+ - ---]	15.7	14	N/A	2.0	320
GYZ20HL	20	6 7/8	3 7/16	6 1/8	175	87	155	[--- --- +]	15.7	14	N/A	2.0	320
GYZ32HL	32	6 9/16	5	6 7/8	166	126	175	[--- --- +]	24.7	14	N/A	3.2	500
YTX14AH *	12	5 5/16	3 1/2	6 9/16	134	89	166	[+ - ---]	11.1	4	N/A	1.2	210
YTX14AHL	12	5 5/16	3 1/2	6 9/16	134	89	166	[--- --- +]	11.1	4	N/A	1.2	210
YTX14H	12	6	3 7/16	5 3/4	150	87	145	[+ - ---]	10.6	5	N/A	1.2	240
YTX20CH	18	6	3 7/16	6 3/8	150	87	161	[+ - ---]	13.4	5	N/A	1.8	270
YTX20H	18	6 7/8	3 7/16	6 1/8	175	87	155	[+ - ---]	15.1	4	N/A	1.8	310
YTX20HL	18	6 7/8	3 7/16	6 1/8	175	87	155	[--- --- +]	15.1	4	N/A	1.8	310
YIX20HL	18	6 7/8	3 7/16	6 1/8	175	87	155	[--- --- +]	15.1	4	N/A	1.8	320
YTX20HL-PW **	18	6 7/8	3 7/16	6 7/8 ^{\$}	175	87	175 ^{\$}	[--- --- +]	15.1	4	N/A	1.8	310
YTX24HL	21	8 1/8	3 7/16	6 3/8	205	87	162	[--- --- +]	17.5	4	N/A	2.1	350
YIX30L	30	6 9/16	5	6 7/8	166	126	175	[--- --- +]	22.0	4	N/A	3.0	400
YIX30L-PW ***	30	6 9/16	5	7 9/16 ^{\$}	166	126	192 ^{\$}	[--- --- +]	22.0	4	N/A	3.0	400
YTZ7S	6	4 7/16	2 3/4	4 1/8	113	70	105	[--- --- +]	4.6	5	N/A	0.6	130
YTZ8V	7	4 7/16	2 3/4	5 1/8	113	70	130	[--- --- +]	6.0	5	N/A	0.7	120
YTZ10S	8.6	6	3 7/16	3 11/16	150	87	93	[+ - ---]	7.0	11	N/A	0.9	190
YTZ12S	11	6	3 7/16	4 3/8	150	87	110	[+ - ---]	8.1	11	N/A	1.1	210
YTZ14S	11.2	6	3 7/16	4 3/8	150	87	110	[+ - ---]	8.6	11	N/A	1.1	230

- * Includes 10mm height spacer for use in replacing YB14A-A1 and YB14A-A2
- ** Includes 20mm height spacer (S) for use in replacing YB16CL-B
- *** Includes 17mm height spacer for use in replacing YB30CL-B
- (S) Includes spacer

BATTERY SPECIFICATIONS

AGM, HIGH PERFORMANCE

FRESH PACK (Battery Supplied Dry with an Acid Bottle)

12 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight with Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (Liter)	Regular Charge Current (Amp)	C.C.A. @ 0 °F (-18 °C)
		L	W	H	L	W	H						
YTZ5S-BS	3.5	4 7/16	2 3/4	3 3/8	113	70	86	[+ - + - +]	3.5	5	0.20	0.4	65
YTX14AH-BS *	12	5 5/16	3 1/2	6 9/16	134	89	166	[+ - + - -]	11.1	4	0.66	1.2	210
YTX14AHL-BS	12	5 5/16	3 1/2	6 9/16	134	89	166	[+ - + - +]	11.1	4	0.66	1.2	210
YTX14H-BS	12	6	3 7/16	5 3/4	150	87	145	[+ - + - -]	10.6	5	0.69	1.4	240
YTX20CH-BS	18	6	3 7/16	6 3/8	150	87	161	[+ - + - -]	13.4	5	0.82	1.8	270
YTX20H-BS	18	6 7/8	3 7/16	6 1/8	175	87	155	[+ - + - -]	15.1	4	0.93	1.8	310
YTX20HL-BS	18	6 7/8	3 7/16	6 1/8	175	87	155	[+ - + - +]	15.1	4	0.93	1.8	310
YTX20HL-BS-PW **	18	6 7/8	3 7/16	6 7/8 ^{\$}	175	87	175 ^{\$}	[+ - + - +]	15.1	4	0.93	1.8	310
YIX20HL-BS	18	6 7/8	3 7/16	6 1/8	175	87	175	[+ - + - +]	15.1	4	0.93	1.8	320
YTX24HL-BS	21	8 1/8	3 7/16	6 3/8	205	87	162	[+ - + - +]	17.5	4	1.08	2.1	350
YIX30L-BS	30	6 9/16	5	6 7/8	166	126	175	[+ - + - +]	22.0	4	1.4	3.0	400
YIX30L-BS-PW ***	30	6 9/16	5	7 9/16 ^{\$}	166	126	192 ^{\$}	[+ - + - +]	22.0	4	1.4	3.0	400

* Includes 10mm height spacer for use in replacing YB14A-A1 and YB14A-A2

** Includes 20mm height spacer (^{\$}) for use in replacing YB16CL-B

*** Includes 17mm height spacer for use in replacing YB30CL-B

(^{\$}) Includes spacer

AGM

FACTORY ACTIVATED (Non-Spillable)

12 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight with Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (Liter)	Regular Charge Current (Amp)	C.C.A. @ 0 °F (-18 °C)
		L	W	H	L	W	H						
YTX9	8	6	3 7/16	4 3/16	150	87	105	[+ - + - -]	6.6	5	N/A	0.9	135
YTX12	10	6	3 7/16	5 1/8	150	87	130	[+ - + - -]	9.2	5	N/A	1.2	180
YT12B	10	6	2 3/4	5 1/8	150	69	130	[+ - + - -]	9.2	5	N/A	1.2	210
YTX14	12	6	3 7/16	5 3/4	150	87	145	[+ - + - -]	10.1	5	N/A	1.4	200
YTX14L	12	6	3 7/16	5 3/4	150	87	145	[+ - + - +]	10.1	5	N/A	1.4	200
YTX15L	13	6 7/8	3 7/16	5 1/8	175	87	130	[+ - + - +]	11.0	4	N/A	1.3	230
YTX20	18	6 7/8	3 7/16	6 1/8	175	87	155	[+ - + - -]	13.9	4	N/A	1.8	270
YTX20L	18	6 7/8	3 7/16	6 1/8	175	87	155	[+ - + - +]	13.9	4	N/A	1.8	270
Battery Type	Capacity Ah (20-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight with Acid (lbs.)	Terminal Type (Refer to page 7)	Acid Volume (Liter)	Regular Charge Current (Amp)	C.C.A. @ 0 °F (-18 °C)
		L	W	H	L	W	H						
YBX9140R	50	8 1/2	6 7/8	7 1/2	207	175	190	[+ - + - +]	37.17	T1	N/A	3	560

FRESH PACK (Battery Supplied Dry with an Acid Bottle)**12 VOLT**

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight with Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (Liter)	Regular Charge Current (Amp)	C.C.A. @ 0°F (-18°C)
		L	W	H	L	W	H						
YTR4A-BS	2.3	4 1/2	1 15/16	3 3/8	114	49	86		2.4	12	0.14	0.3	45
YT4B-BS	2.3	4 1/2	1 9/16	3 7/16	114	39	86.5		2.4	13	0.12	0.3	40
YTX4L-BS	3	4 1/2	2 13/16	3 3/8	114	71	86		3.4	5	0.18	0.4	50
YTX5L-BS	4	4 1/2	2 13/16	4 3/16	114	71	106		4.2	5	0.24	0.5	80
YT7B-BS	6.5	6	2 9/16	3 11/16	150	65	93		5.9	11	0.33	0.7	110
YTX7A-BS	6	6	3 7/16	3 3/4	150	87	94		6.3	5	0.33	0.7	105
YTX7L-BS	6	4 1/2	2 13/16	5 3/16	114	71	131		6.1	5	0.33	0.6	100
YT9B-BS	8	6	2 3/4	4 1/8	150	70	105		8.7	11	0.40	0.8	120
YTX9-BS	8	6	3 7/16	4 3/16	150	87	105		6.6	5	0.40	0.9	135
YT12A-BS	10	6	3 7/16	4 3/16	150	87	105		7.7	5	0.47	1.0	175
YT12B-BS	10	6	2 3/4	5 1/8	150	69	130		9.0	11	0.52	1.0	210
YTX12-BS	10	6	3 7/16	5 1/8	150	87	130		9.2	5	0.60	1.2	180
KMX14-BS ^K	12	6	3 7/16	5 3/4	150	87	145		10.1	5	0.69	1.4	200
YT14B-BS	12	6 1/8	2 3/4	5 3/4	150	70	145		11.8	11	0.60	1.2	210
YTX14-BS	12	6	3 7/16	5 3/4	150	87	145		10.1	5	0.69	1.4	200
YTX14L-BS	12	6	3 7/16	5 3/4	150	87	145		10.1	5	0.69	1.4	200
YTX15L-BS	13	6 7/8	3 7/16	5 1/8	175	87	130		11.0	4	0.69	1.3	230
YTX16-BS	14	6	3 7/16	6 3/8	150	87	161		12.6	4	0.78	1.4	230
YTX16-BS-1	14	6	3 7/16	6 3/8	150	87	161		12.6	1	0.78	1.4	230
YT19BL-BS	17.7	7 1/4	3 3/16	6 11/16	184	81	170		12.5	10	0.95	1.8	170
YTX20-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270
YTX20L-BS	18	6 7/8	3 7/16	6 1/8	175	87	155		13.9	4	0.93	1.8	270

^K Available at Kawasaki dealers only
Includes spacer

BATTERY SPECIFICATIONS

HIGH PERFORMANCE, CONVENTIONAL (Yumicron)

12 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight w/out Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (oz.)	Regular Charge Current (Amp)
		L	W	H	L	W	H					
YB2.5L-C	2.5	3 3/16	2 3/4	4 1/8	80	70	105		1.7	-	8.1	0.3
YB2.5L-C-1	2.5	3 3/16	2 3/4	4 1/8	80	70	105		1.7	-	8.1	0.3
YB3L-A	3	3 7/8	2 1/4	4 3/8	98	56	110		2.5	6	8.1	0.3
YB3L-B	3	3 7/8	2 1/4	4 3/8	98	56	110		2.5	6	8.1	0.3
YB4L-A ^D	4	4 3/4	2 3/4	3 5/8	120	70	92		2.8	5	10.1	0.4
YB4L-B	4	4 3/4	2 3/4	3 5/8	120	70	92		2.8	5	10.1	0.4
YB5L-B	5	4 3/4	2 3/8	5 1/8	120	60	130		3.5	6	12.2	0.5
YB7-A	8	5 5/16	3	5 1/4	135	75	133		5.1	6	20.3	0.8
YB7B-B	7	6	2 3/8	5 1/8	150	60	130		4.0	6	16.9	0.7
YB7C-A	8	5 1/8	3 9/16	4 1/2	130	90	114		5.1	1	20.3	0.8
YB7L-B ^D	8	5 5/16	3	5 1/4	135	75	133		5.1	6	20.3	0.8
YB9A-A	9	5 5/16	3	6 1/8	135	75	155		5.3	6	20.3	0.9
YB9L-A2	9	5 5/16	3	5 1/2	135	75	139		5.3	2	20.3	0.9
YB9-B	9	5 5/16	3	5 1/2	135	75	139		5.3	6	20.3	0.9
YB9L-B	9	5 5/16	3	5 1/2	135	75	139		5.3	6	20.3	0.9
YB10A-A2	11	5 5/16	3 9/16	6 1/8	135	90	155		7.0	8	27.0	1.1
YB10L-A2	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	8	27.0	1.1
YB10L-B	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	6	27.0	1.1
YB10L-B2	11	5 5/16	3 9/16	5 3/4	135	90	145		7.0	8	27.0	1.1
YB12A-A	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	27.0	1.2
YB12A-A ^{**}	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	27.0	1.2
YB12AL-A ^D	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	25.4	1.2
YB12AL-A2 [*]	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	8	25.4	1.2
YB12A-B	12	5 5/16	3 3/16	6 5/16	134	80	160		6.8	6	25.4	1.2
YB12B-B2	12	6 5/16	3 9/16	5 1/8	160	90	130		7.1	8	27.0	1.2
YB12C-A	12	5 5/16	3 9/16	6 7/8	134	80	175		7.1	4	27.0	1.2
YB14-A2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14A-A1	14	5 5/16	3 1/2	6 15/16	134	89	176		7.9	6	30.4	1.4
YB14A-A2	14	5 5/16	3 1/2	6 15/16	134	89	176		7.9	8	30.4	1.4
YB14L-A1	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	1	30.4	1.4

* Includes terminal adaptor for converting to top mount.
 ** When ordering this battery, specify terminal adaptor.
 ▲ When ordering this battery, specify sensor.
 D Discontinued

BATTERY SPECIFICATIONS

HIGH PERFORMANCE, CONVENTIONAL (Yumicron)

12 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches (± 1/16 in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight w/out Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (oz.)	Regular Charge Current (Amp)
		L	W	H	L	W	H					
YB14L-A2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14L-B2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB14-B2	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
SYB14L-A2 ^{D†}	14	5 5/16	3 1/2	6 9/16	134	89	166		7.6	8	30.4	1.4
YB16AL-A2	16	8 1/8	2 13/16	6 7/16	207	71.5	164		8.6	2	37.2	1.6
HYB16A-AB	16	6	3 5/8	7 1/16	151	91	180		8.5	7	30.4	1.6
YB16-B	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
YB16L-B	19	6 7/8	4	6 1/8	175	100	155		10.5	6	40.6	1.9
YB16B-A	16	6 5/16	3 9/16	6 3/8	160	90	161		8.4	4	33.8	1.6
YB16B-A1 [*]	16	6 5/16	3 9/16	6 3/8	160	90	161		8.4	7	33.8	1.6
YB16C-B	19	6 7/8	4	6 7/8	175	100	175		10.1	5	40.6	1.9
YB16CL-B	19	6 7/8	4	6 7/8	175	100	175		10.1	5	40.6	1.9
YB18-A	18	7 1/8	3 9/16	6 3/8	180	90	162		9.4	7	40.6	1.8
YB18L-A	18	7 1/8	3 9/16	6 3/8	180	90	162		9.4	7	40.6	1.8
Y50-N18A-A	20	8 1/8	3 9/16	6 15/16	205	90	176		11.2	7	50.7	2.0
Y50-N18L-A	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	44.0	2.0
Y50-N18L-A-CX	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	44.0	2.0
Y50-N18L-A3	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	4	44.0	2.0
SY50-N18L-AT [†]	20	8 1/8	3 9/16	6 3/8	205	90	162		11.2	7	44.0	2.0
YB30L-B	30	6 5/8	5 3/16	6 15/16	168	132	176		14.1	4	57.5	3.0
YB30CL-B	30	6 5/8	5 3/16	7 9/16	168	132	192.2		14.5	4	57.5	3.0
51814	19 ****	7 7/16	3 1/4	6 7/8	186	82	171		9.4	10	33.8	1.9
51913	19 ****	7 7/16	3 1/4	6 7/8	186	82	171		9.4	10	33.8	1.9
53030	30 ****	7 7/16	5 1/8	6 7/8	186	130	171		16.1	10	54.1	3.0

* Includes terminal adaptor for converting to side mount

**** DIN Standard @ 20 hr. rate

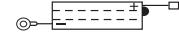
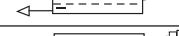
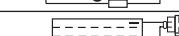
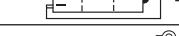
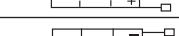
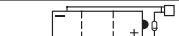
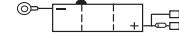
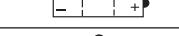
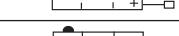
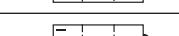
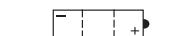
† This battery includes a sensor

D Discontinued

BATTERY SPECIFICATIONS

CONVENTIONAL

6 VOLT

Battery Type	Capacity Ah (10-HR)	Dimensions – Inches ($\pm 1/16$ in)			Dimensions – Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight w/out Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (oz.)	Regular Charge Current (Amp)
		L	W	H	L	W	H					
6N2-2A	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-3	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-4	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2-2A-8	2	2 3/4	1 7/8	3 3/4	70	47	96		1.0	-	3.4	0.2
6N2A-2C	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N2A-2C-1**	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N2A-2C-3	2	2 3/4	1 7/8	4 3/16	70	47	106		1.0	-	3.4	0.2
6N4-2A	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-4	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-5	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-6	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4-2A-8	4	2 13/16	2 13/16	3 3/4	71	71	96		1.3	-	6.8	0.4
6N4A-4D*	4	2 3/8	2 1/4	5 1/8	61	57	131		1.7	-	6.8	0.4
6N4B-2A	4	4	1 7/8	3 3/4	102	48	96		1.7	-	6.8	0.4
6N4B-2A-3	4	4	1 7/8	3 3/4	102	48	96		1.7	-	6.8	0.4
6N4C-1B	4	2 13/16	2 13/16	4 1/8	71	71	105		1.4	-	6.8	0.4
6N5.5-1D	5.5	3 9/16	2 3/4	3 15/16	90	70	100		1.8	-	10.1	0.6
6N6-3B	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	6	10.1	0.6
6N6-3B-1	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	6	10.1	0.6
6N6-1D-2	6	3 7/8	2 1/4	4 3/8	99	57	111		2.0	-	10.1	0.6
6N11-2D	11	5 7/8	2 3/4	3 15/16	150	70	100		3.5	6	13.5	1.1
6N11A-1B	11	4 13/16	2 7/16	5 1/8	122	62	131		3.5	6	13.5	1.1
6N12A-2D	12	6 1/8	2 1/4	4 9/16	156	57	116		3.8	6	15.2	1.2
B38-6A	13	4 11/16	3 1/4	6 15/16	119	83	161		4.7	6	21.0	1.3

** 6N2A-2C-1 replaces B60-6
Discontinued

TRACTOR TERMINALS & BATTERY LAYOUTS

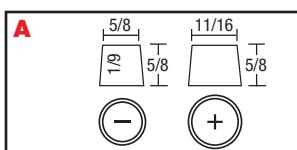
CONVENTIONAL

12 VOLT

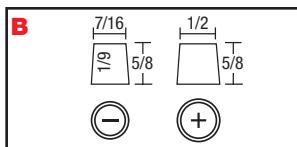
Battery Type	Capacity Ah (10-HR)	Dimensions - Inches (± 1/16 in)			Dimensions - Millimeters (± 2 mm)			Assembly Figure (As Per Cover Polarity)	Approx Weight w/out Acid (lbs.)	Terminal Type (Refer to page 10)	Acid Volume (oz.)	Regular Charge Current (Amp)
		L	W	H	L	W	H					
12N5-3B	5	4 3/4	2 3/8	5 1/8	120	60	130	+ - + - +	3.1	6	13.5	0.5
12N5-4B	5	4 3/4	2 3/8	5 1/8	120	60	130	+ - + - -	3.1	6	13.5	0.5
12N5.5-3B	5.5	5 5/16	2 3/8	5 1/8	135	60	130	+ - + - +	4.3	6	13.5	0.6
12N5.5-4A	5.5	5 5/16	2 3/8	5 1/8	135	60	130	+ - + - -	4.3	2	13.5	0.6
12N5.5A-3B	5.5	4 1/16	3 9/16	4 1/2	103	90	114	+ - + - +	4.3	6	16.9	0.6
12N7-3B	7	5 5/16	3	5 1/4	135	75	133	- + + - +	4.9	6	16.9	0.7
12N7-4A	7	5 5/16	3	5 1/4	135	75	133	- + + - -	4.9	6	16.9	0.7
12N7-4B	7	5 5/16	3	5 1/4	135	75	133	+ - + - -	4.9	6	16.9	0.7
12N7D-3B	7	5 5/16	3	5 15/16	135	75	150	- + + - +	4.9	6	20.3	0.7
12N9-3A	9	5 5/16	3	5 1/2	135	75	139	- + + - + +	5.4	9	20.3	0.9
12N9-4B-1	9	5 5/16	3	5 1/2	135	75	139	+ - + - -	5.4	6	20.3	0.9
12N12A-4A-1	12	5 5/16	3 3/16	6 5/16	134	80	160	- + + - -	6.8	6	23.7	1.2
12N14-3A	14	5 5/16	3 1/2	6 9/16	134	89	166	- + + - +	7.5	8	27.0	1.4
YHD-12H	29	8 1/8	5 1/4	6 1/2	206	133	165	+ - + - - -	13.3	9	67.6	2.8

TRACTOR TERMINALS & BATTERY LAYOUTS

TERMINALS (measurements in inches)

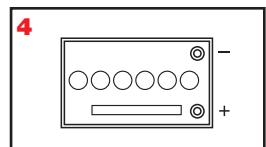
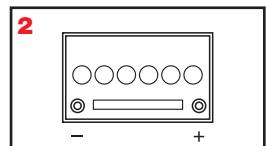
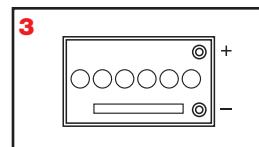
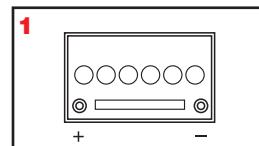


Standard Terminal



Small Terminal

BATTERY LAYOUTS



Tractor Batteries on page 17

BATTERY UPGRADE CROSS REFERENCE

JIS Type	Reference Number	Plate / Cell	Capacity Ah ▲ (5 hr)	Capacity Ah ▲ (20 hr)	Cranking Performance ▲ (Amps 0 °F)	Reserve Capacity Minutes (80 °F)	Overall Dimensions (inches)			Shipping Weight Dry (lbs.)	Volume Of Acid (oz.)	Charging Current (Amp)	See Key	
							L	W	H				Terminal	Layout
*36B20L (S)	40B19L(S) NS40ZL(S)	9	28	35	275	52	7 3/4	5 1/16	8 15/16	17.9	84.6	3.5	A	2
46B24R	NS60	13	36	45	330	75	9 3/8	5 1/16	8 15/16	20.1	109.0	4.5	B	1
*46B24L (S)	NS60L(S)	13	36	45	330	75	9 3/8	5 1/16	8 15/16	20.1	109.5	4.5	A	2
36B20L	40B19L/NS40ZL	9	28	35	275	52	7 3/4	5 1/16	8 15/16	17.9	91.7	3.5	B	2
*55B24L (S) D4	NX100S6L(S)	13	36	45	410	70	9 3/8	5 1/16	8 15/16	21.3	109.3	4.5	A	2
95E41R	N100	17	80	100	475	200	16 3/8	6 15/16	9 3/8	38.1	233.1	10	A	1
115F51	N120	21	96	120	420	240	19 7/8	7 3/16	10 1/8	48.7	317.4	12.0	A	3
115F51L D4	N120L	21	96	120	420	240	19 7/8	7 3/16	10 1/8	48.7	317.4	12.0	A	4
145F51	NS150	25	120	150	760	296	19 7/8	7 3/16	10 1/8	56.2	370.3	14.0	A	3
145G51L D4	N150L D4	23	120	150	685	240	20 3/16	8 3/4	10 1/8	63.8	337.8	15	A	4

* (S) Signifies Standard Terminal

D4 Discontinued

▲ Figures based on JIS/SAE specifications and reference only

BATTERY UPGRADE CROSS REFERENCE

GYZ Series	AGM Factory Activated	AGM High Performance	AGM	Yumicron	Conventional
-	-	YTZ5S-BS	YTX4L-BS	YB4L-A, YB4L-B	-
-	YTZ7S	-	YTX5L-BS	-	-
-	-	-	-	YB5L-B	12N5-3B
-	-	YTZ8V	YTX7L-BS	-	-
-	-	-	-	YB7L-B	12N7-3B
-	-	-	-	YB7-A	12N7-4A
-	-	-	-	YB9-B	12N9-4B-1
-	-	-	-	YB9L-B	12N9-3B (Discontinued)
-	-	-	-	YB10L-A2	12N10-3A-2 (Discontinued)
-	-	-	-	YB12A-A	12N12A-4A-1
GYZ16H ¹⁰	YTX14H	YTX14H-BS	YTX14-BS	-	-
-	YTX14AH	YTX14AH-BS	-	YB14-A2, YB14-B2	-
-	YTX14AH ^{3,4}	YTX14AH-BS ^{3,4}	-	YB14A-A1, YB14A-A2	-
-	YTX14AHL	YTX14AHL-BS	-	YB14L-A2	12N14-3A
-	YTX14AHL	YTX14AHL-BS	-	YB14L-B2	-
GYZ16HL	YTX14L	-	YTX14L-BS	-	-
-	-	-	YTX19L-BS	51913, 51814	-
-	YTX20CH	YTX20CH-BS	YTX16-BS	-	-
GYZ20H ⁷	YTX20H ⁷ , YTX20 ²	YTX20H-BS ²	YTX20-BS ²	YB16-B, YB16-B-CX	-
GYZ20H	YTX20H, YTX20 ²	YTX20H-BS ²	YTX20-BS ²	YB18-A	-
-	YTX20HL-PW ⁶	YTX20HL-BS-PW ⁶	-	YB16CL-B	-
GYZ20HL ⁷ , GYZ20L	YTX20HL, YTX20L	YTX20HL-BS	YTX20L-BS	YB16L-A-CX	-
GYZ20HL, GYZ20L	YTX20HL, YTX20L ²	YTX20HL-BS ²	YTX20L-BS ²	YB16L-B	-
GYZ20HL, GYZ20L	YTX20HL, YTX20L ²	YTX20HL-BS ²	YTX20L-BS ²	YB18L-A	-
GYZ20HL ⁶ , GYZ20L	YTX20HL, YTX20L	YTX20HL-BS ²	YTX20L-BS	-	-
-	YTX24HL ³	YTX24HL-BS ³	-	Y50-N18L-A, Y50-N18L-A-CX	-
-	YTX24HL	YTX24HL-BS	-	Y50-N18L-A3	-
-	YTX24HL ^{1,3}	YTX24HL-BS ^{1,3}	-	SY50-N18-AT	-
-	YIX20HL ⁹	YIX20HL-BS ⁹ > YTX20HL-BS	-	-	-
GYZ32HL	YIX30L ⁹	YIX30L-BS ⁹	-	YB30L-B	-
-	YIX30L-PW ^{5,9}	YIX30L-BS-PW ^{5,9}	-	YB30CLB	-
-	YIX30L ⁹	YIX30L-BS ⁹	-	53030	Y60-N24AL-B (Discontinued)

1 Eliminates need for sensor (needs to be disabled).

2 The YTX20 series batteries may be used as an optional upgrade, but some modification to the hold down may be necessary. See battery label for retrofit cautions.

3 Top and front terminal mounts only.

4 Includes 10mm height spacer.

5 Includes 17mm height spacer.

6 Includes 20mm height spacer for use in replacing YB16CL-B.

7 For Harley-Davidson Models only.

8 GYZ20HL has flush terminals, different than OEM battery on Honda GL1800.

9 Preferred cold climate performance.

10 Mount through front only.

MOTORCYCLE APPLICATIONS

MOTORCYCLE

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
APRILIA													
1200	Dorsoduro, Caponord	'10-'17	GYZ16H	YTX14H-BS	YTX14-BS	-	1100	SB6, SB7	'95-'97	-	-	YTX7L-BS (x2)	-
1100	Tuono V4 1100, RR	'14-'18	-	-	YT12A-BS	-	SB6R	'97-'99	-	-	YTX12-BS	-	
RSV4 1100	'19	NOT AVAILABLE	-	-	-	-	1000	YB8/YB10	'92-'95	-	YTX14AHL-BS	-	SYB14L-A2 ^t
1000	RSV4 R, Factory	'09-'16	-	YTZ10S	-	-	YB11	'96-'99	-	-	YTX12-BS	-	
RSV4 RR	'17-'19	-	-	-	YT12A-BS	-	996	SB8R, SB8RS	'98-'00	-	YTX12-BS	-	
ETV Caponord	'01-'07	GYZ16H	YTX14H-BS	YTX14-BS	-	-	900	DB2	'93-'95	-	YTX14AH-BS	-	YB14-A2
RST Futura	'01-'04	-	-	-	YT12-BS	-	DB2 Final Edition	'97	-	-	YTX14AH-BS	-	YB14-A2
RSV 1000 Mille SP	'98-'99	-	-	-	YT12-BS	-	DB3 Mantra	'97-'99	-	-	YTX7L-BS (x2)	-	
RSV 1000 R, Factory	'04-'11	-	-	-	YT12-BS	-	DB4	'98-'00	Not available	-	-	-	-
RSV 1000 Mille, R	'00-'09	-	-	-	YT12-BS	-	Tesi	'91-'95	-	YTX14AH-BS	-	YB14-A2	
Tuono 1000 R, Factory	'03-'11	-	-	-	YT12-BS	-							
Tuono V4R	'11-'14	-	-	-	YT12A-BS	-							
SL Falco	'00-'03	GYZ16H	YTX14H-BS	YTX14-BS	-								
900	Dorsoduro	'17	GYZ16H	YTX14H-BS	YTX14-BS	-	2500	R18	'21-'22	GYZ32HL	YIX30L-BS	-	-
Dorsoduro, Shiver	'18-'19	-	-	-	YT12	-	1600	K1600GT, GTL	'11-'17	-	YTX19BL-BS	51913	
Shiver	'17	GYZ16H	YTX14H-BS	YTX14-BS	-	-	K1600GT, GTL	'18-	GYZ16H	YTX14H	-	-	
850 Mana 850, GT	'07-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	-	K1600 Bagger	'17-'20	-	YTX20CH-BS	YTX16-BS	-	
750 Shiver	'07-'09	GYZ16H	YTX14H-BS	YTX14-BS	-	-	1300	K1300GT	'09-'11	GYZ16H	YTX14H-BS	YTX14-BS	-
Shiver	'10-'16	-	-	-	YT12	-	K1300R, S	'09-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	
Dorsoduro	'09-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	-	1250	R1250GS	'19-'22	GYZ16H	YTX14H-BS	YTX14-BS	-
650 Pegaso	'92-'96	-	YTX14AHL-BS	-	SYB14L-A2	-	R1250RT, R, RS	'19-'22	GYZ16H	YTZ14S ^s	-	-	
Pegaso	'97-'04	-	-	-	YB12AL-A	-	1200	K1200R, S	'05-'09	GYZ16H	YTX14H-BS	YTX14-BS	-
Pegaso Strada, Factory, Trail	'05-'12	-	-	-	YT12-BS	-	R1200S, R	'05-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	
Moto-65	'95-'99	-	-	-	YB12AL-A	-	R1200GS	'05-'12	GYZ16H	YTX14H-BS	YTX14-BS	-	
550 RXV550	'10	-	-	-	YT7A-BS	-	R1200GS	'13-'22	GYZ16H	YTZ14S ^s	-	-	
SVX550	'10	-	-	-	YT7A-BS	-	R1200GS Adventure	'08-'12	GYZ16H	YTZ14S	-	-	
500 Scarabeo	'04-'05	-	YTX14AHL-BS	-	-	-	R1200RS	'14-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	
Atlantic	'03-'05	-	YTX14AHL-BS	-	-	-	K1200LT, GT	'05-'09	-	-	YTX19BL-BS	51913	
450 RXV450	'10	-	-	-	YT7A-BS	-	R1200RT	'05-'13	-	-	YTX19BL-BS	51913	
SVX450	'10	-	-	-	YT7A-BS	-	R1200RT	'14-'18	-	YTX20CH-BS	YTX16-BS	-	
250 RS250	'00-'04	-	-	-	YB4L-B	-	K1200LT, GT, RS, S	'99-'05	-	-	YTX19BL-BS	51913	
200 Atlantic	'04-'05	-	-	-	YB12AL-A	-	K1200RS	'97-'05	-	-	YTX19BL-BS	51913	
150 Scarabeo	'00-'04	-	-	-	YB12AL-A	-	R1200C	'98-'05	-	-	YTX19BL-BS	51913	
Mojo	'04-'05	-	YTZ8V	YTX7L-BS	-	-	HP2 Sport / Megamoto / Enduro	'05-'11	YTX14S	-	-	-	
125 Classic	'95-'99	-	-	-	YB9-B	-	R nineT, Scrambler, Pure, Racer, Urban	'13-'19	GYZ16H	YTX14H-BS	YTX14-BS	-	
AF1 / Futura	'90-'92	-	-	-	YB9-B	-	R1200ST	'05-'07	GYZ16H	YTX14H-BS	YTX14-BS	-	
ETX	'98	-	-	-	YB4L-B	-	1150	R1150GS, R	'00-'05	-	-	YTX19BL-BS	51913
MX Supermotard	'04-'06	-	-	-	YB4L-B	-	R1150R, RS, RT	'01-'06	-	-	YTX19BL-BS	51913	
Pegaso	'91-'94	-	-	-	YB9-B	-	K1100LT/RS	'90-'95	-	-	YTX19BL-BS	51913	
RS 125	'95-'11	-	-	-	YB9-B ^{*s}	-	R1100GS	'94-'00	-	-	YTX19BL-BS	51913	
RS4 125	'11-'13	-	YTZ8V	YTX7L-BS	-	-	R1100R	'94-'00	-	-	YTX19BL-BS	51913	
50 Europa	'91-'92	-	-	-	YB4L-B	-	R1100RS, RT	'93-'00	-	-	YTX19BL-BS	51913	
Rally 50	'95-'04	-	-	-	YB4L-B	-	R1100S, ABS	'98-'05	-	-	YTX19BL-BS	51913	
RS50	'93-'05	-	-	-	YB4L-B	-	1000 All "K" Models	'83-'93	GYZ32HL	YIX30L-BS	-	53030	
RS4 50	'11-'13	-	YTZ7S	YTX5L-BS	-	-	R100/7	'76-'84	GYZ32HL	YIX30L-BS	-	53030	
SR50	'00-'01	-	-	-	YB4L-B	-	R100GS, PD, R, RS, RT	'87-'95	GYZ32HL	YIX30L-BS	-	53030	
SR50 Ditech	'01-'05	-	YTZ7S	YTX5L-BS	-	-	R100CS	'76-'84	GYZ32HL	YIX30L-BS	-	53030	
Scarabeo 50	'00-'03	-	-	-	YB4L-B	-	HP4 (w/ alarm system)	'13-'14	YTX10S	-	-	-	
Mojo	'04-'05	-	-	-	YB4L-B	-	HP4 (w/o alarm system)	'13-'14	YTZ7S	-	-	-	
MX Supermotard	'04	-	-	-	YB4L-B	-	S1000R	'14-'17	YTZ10S	-	-	-	
Rally	'04-'05	-	-	-	YB4L-B	-	S1000RR	'09-'13	YTZ10S	-	-	-	
ATK													
All Electric Start Models	'91-'95	-	-	YTX9-BS	-	-	S1000R DWA	'09-'11	YTZ12S	-	-	-	-
All Electric Start Models	'96-'01	-	YTZ8V	YTX7L-BS	-	-	S1000RR	'14-'16	YTZ7S	-	-	-	-
BENELLI													
900 900 (6 Cilindri)		GYZ32HL	YIX30L-BS	-	-	53030	S1000R DWA	'14-'16	YTZ10S	-	-	-	-
650 650 Tornado U.T.		-	-	-	-	-	S1000XR	'16-'17	-	-	YT9X-BS	-	-
250 250 (4 Cilindri)		-	-	-	-	-	S1000R DWA	'16	YTZ10S	-	-	-	-
250-2C		-	-	-	-	-	F900R, XR	'20	-	-	YT12-BS	-	-
125 125 Cross		-	-	-	-	-	R850R	'95-'97	-	-	YT19BL-BS	51913	-
125 Custom Guzzi		-	-	-	-	-	F850GS	'16-'20	-	-	YT12-BS	-	-
125 Guzzi		-	-	-	-	-	800 F800ST, GS, GT, R, ADV	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
125 Jarno (c'avv.)		-	-	-	-	-	F800GT (auxiliary battery)	'13-'16	GYZ14S	-	-	-	-
125 Scooter Benelli		-	-	-	-	-	R80, R80RT	'84-'95	GYZ32HL	YIX30L-BS	-	53030	-
125-2 CSE		-	-	-	-	-	R80GS, R80ST	'80-'96	-	-	YTX19BL-BS	51814	-
125CS		-	-	-	-	-	R80/7, R80RT	'78-'84	GYZ32HL	YIX30L-BS	-	53030	-
125T Sport		-	-	-	-	-	798 F700GS	'11-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
50 Devil 50 (c'avv.)		-	-	-	-	-	F700GS (auxiliary battery)	'11-'18	GYZ14S	-	-	-	-
KBX 50 Race		-	-	-	-	-	R80/7, R80RT	'84-'95	GYZ32HL	YIX30L-BS	-	53030	-
Scooty LX/DLX		-	-	-	-	-	800 F800ST, GS, GT, R, ADV	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
BIG DOG													
All Models	All Years	GYZ20HL	YTX20HL-BS	-	-	-	F700GS (auxiliary battery)	'11-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
See Battery Cross Reference Chart on page 17				(x2)	Order two batteries		F700GS (auxiliary battery)	'11-'18	YTZ14S	-	-	-	-
This battery includes a sensor				S	Spacer must be taken out to use GYZ16H		R700GS (auxiliary battery)	'11-'18	YTZ14S	-	-	-	-
52515 not available in USA							R700GS (auxiliary battery)	'11-'18	YTZ14S	-	-	-	-

MOTORCYCLE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
K75C	'87-'93	-	-	-	-	52515 *							
K75C	'85-'95	-	-	YT19BL-BS	51814								
K75RT	'92-'96	-	-	YT19BL-BS	51913								
K75S	'85-'86	-	-	YT19BL-BS	51814								
K75S	'87-'92	-	-	-	-	52515 *							
R75/5	'70-'73	-	-	YT19BL-BS	51814								
R75/7	'76-'84	GYZ32HL	YIX30L-BS	-	53030								
R75/6	'69-'76	GYZ32HL	YIX30L-BS	-	53030								
700 R69 - R69S	'55-'69	-	-	-	B38-6A								
650 F650, G650GS	'93-'16	-	-	-	YB12AL-A								
F650GS	'01-'08	-	-	-	YB12AL-A								
F650GS	'09-'12	GYZ16H	YTX14H-BS	YTX14-BS	-								
G650 X,Challenge,Country,Moto	'06-'09		YTZ10S	-	-								
R65	'84-'95	GYZ32HL	YIX30L-BS	-	53030								
R65LS	'78-'84	-	-	YT19BL-BS	51814								
600 R60, R60/2 Twin Cylinders	'55-'69	-	-	-	B38-6A								
R60/5	'70-'73	-	-	YT19BL-BS	51814								
R60/6, R60/7	'69-'84	-	YIX30L-BS	-	53030								
500 R50/2 Twin Cylinders	'55-'69	-	-	-	B38-6A								
R50/5	'70-'73	-	-	YT19BL-BS	51814								
R50/S Twin Cylinders	'55-'69	-	-	-	B38-6A								
450 G450	'09-'11	-	YTZ7S	-	-								
310 G310R, GS	'16-'19	-	-	YTX9-BS									
260 R26, R27 Single Cylinder	'55-'69	-	-	-	6N11A-1B								
R 26	-	-	-	-	B38-6A								
BRP (CAN-AM)													
1330 Spyder (RT, F3)	'14-'22	-	YTX24HL-BS	-	-								
998 Spyder (GS)	"08-'10	-	YTX24HL	-	-								
Spyder (RS)	'11-'16	-	YTX24HL-BS	-	-								
900 Ryker (ACE)	'19-'22	GYZ16HL *	-	YTX14L	-								
600 Ryker (ACE)	'19-'22	GYZ16HL *	-	YTX14L	-								
BSA													
250, 350, 400, 441, 500 (12V)	-	-	-	-	-	YB7-A*							
600, 650, 750 (12V)	-	-	-	-	-	YB7-A*							
250, 350, 650 (6V)	-	-	-	-	-	B39-6							
500 Gold Star	-	-	-	-	-	B38-6A							
Rocket 750, Thunderbolt	-	-	-	-	-	YB9L-B*							
Spitfire HK35, Starfire B25	-	-	-	-	-	YB9L-B*							
BUELL													
1200 X1 Lightning	'99-'02	GYZ20HL	YTX20HL *	YTX20L FA	-								
S1 Lightning	'96-'99		YTX14H ##	YTX14 ##	-								
S3, S3T Thunderbolt	'97-'02	GYZ20HL	YTX20HL-BS	YTX20L-BS	-								
M2 Cyclone	'97-'02	GYZ20HL	YTX20HL-BS	YTX20L-BS	-								
S2, S2T Thunderbolt	'94-'96	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
RR1200	'88-'90	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
RS1200	'89-'93	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
RSS1200	'91-'93	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
XB12R Firebolt	'04-'10	GYZ16H	YTX14H FA	YTX14 FA	-								
XB12S, Scg, Lightning	'04-'10	GYZ16H	YTX14H	YTX14 FA	-								
XB12X, XT Ulysses	'08-'10	GYZ16H	YTX14H FA	YTX14 FA	-								
1125 1125R, 1125CR	'08-'10	GYZ16HL	-	YTX14L FA	-								
Buell Racing 1125RR	'09	-	YTZ7S	YT5L-BS	-								
1000 RR1000	'87	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
984 XB9R Firebolt, XB9SX Lightning	'02-'10	GYZ16H	YTX14H FA	YTX14 FA	-								
500 Blast	'00-'09	GYZ16H	YTX14H-BS	YTX14-BS	-								
CAGIVA													
900 Elefant E900	-	-	-	-	-	YB16B-A1							
750 Elefant	'94-'97	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX								
Elefant Bifaro	'89	-	YTX14AHL-BS	-	-	SYB14L-A2 †							
500 T4 E Elefant	'88-	-	YTX14AHL-BS	-	-	SYB14L-A2 †							
350 Elefant 2 Cyl.	'86-	-	YTX14AHL-BS	-	-	SYB14L-A2 †							
T4 E Elefant, W12	'87-	-	YTX14AHL-BS	-	-	SYB14L-A2 †							
T4R	'87-	-	-	-	-	YB3L-A							
125 Crouser	'87-'88	-	-	-	-	YB9-B *							
Freccia C9, /C10R, /C12R	'87-'90	-	-	-	-	YB9-B *							
Mito	'90-'97	-	-	-	-	YB9-B *							
N 90	'97	-	-	-	-	YB9-B *							
Roadster	'94-'97	-	-	-	-	YB9-B *							
Supercity	'91-'97	-	-	-	-	YB9-B *							
50 City, Lucky, Explorer	'94-'97	-	YTZ5S-BS	YTX4L-BS	-								
K3, W4	'98	-	-	-	-	YB4L-B							
CANNONDALE													
440 C440, E440, S440, X440, X440S	'02-'03	-	-	-	-	YTZ7S	YT5L-BS	-					
EX400, MX400, XC400	'00-'01	-	-	-	-	YTZ7S	YT5L-BS	-					
CCM													
600 All Electric Start Models	'96-'01	-	-	-	-	YTX9-BS	-						
DERBI													
All Models	-	-	-	-	-	-	-	-	-	-	-	YB4L-B	
DUCATI													
1299 Superbike 1299 Panigale, S	'15-'20	-	-	-	-	YT9-BS	-						
1262 Diavel, S	'16-'20	-	-	-	-	YT12B-BS	-						
Multistrada 1260	'18-'20	-	-	-	-	YT12B-BS	-						
1200 Multistrada	'10-'20	-	-	-	-	YT12B-BS	--						
Monster 1200	'14-'20	-	-	-	-	YT12B-BS	-						
1199 1199, Panigale (S)	'11-'14	-	-	-	-	YT9-BS	-						
1198 1198, MY08, SP, R	'09-'11	-	-	-	-	YT12B-BS	-						
Diavel	'11-'17	-	-	-	-	YT12B-BS	-						
1198 Panigale R	'16	-	-	-	-	YT9-BS	-						
Panigale V4, V4R	'18-UP	-	-	-	-	YT9-BS	-						
Panigale V4 standard	'18-UP	-	-	-	-	YT9-BS	-						
1100 Monster 1100	'09-'13	-	-	-	-	YT12B-BS	-						
Multistrada	'07-'09	-	-	-	-	YT12B-BS	-						
Hypermotard	'07-'13	-	-	-	-	YT12B-BS	-						
Street Fighter, S	'09-'12	-	-	-	-	YT12B-BS	-						
1098 1098 Superbike	'07-'09	-	-	-	-	YT12B-BS	-						
1098	'07	-	-	-	-	YT12B-BS	-						
Various All other models	'01-'10	-	-	-	-	YT12B-BS	-						
1000 Desmosedici RR	'08-'09	-	-	-	-	YT12B-BS	-						
GT1000, Touring, Sport 1100S	'09	-	-	-	-	YT12B-BS	-						
Monster S2R	'05-'07	-	-	-	-	YT12B-BS	-						
998 998, 999	'02-'07	-	-	-	-	YT12B-BS	-						
996 996, S, SPS	'99-'00	-	-	-	-	YT12B-BS	-						
ST4S	'01-'05	-	-	-	-	YT12B-BS	-						
959 959 Panigale	'16-'20	-	-	-	-	YT7B-BS	-						
955 955 Panigale V2	'19-'21	-	-	-	-	YT7B-BS	-						
944 Sport Touring 2 (ST2)	'97-'00	-	-	-	-	YT12B-BS	-						
Sport Touring 2 (ST2)	'01-'03	-	-	-	-	YT12B-BS	-						
937 Hypermotard 939, 950	'16-'20	-	-	-	-	YT12B-BS	-						
Hyperstrada 939	'16-'20	-	-	-	-	YT12B-BS	-						
Multistrada 950	'17-'20	-	-	-	-	YT12B-BS	-						
SuperSport	'17-'20	-	-	-	-	YT12B-BS	-						
916 916 Biposto, Senna, Strada	'94-'98	-	-	-	-	YB16AL-A2	-						
I.E., SP, SP S	'94-'98	-	-	-	-	YB16AL-A2	-						
ST4	'99-'00	-	-	-	-	YB16AL-A2	-						
907 I.E. Paso	'90-'94	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B								
906 Paso	'90-'92	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B								
900 Monster	'94-'00	-	-	-	-	YB16AL-A2	-						
SS Kick-Starter	'81-'81	-	-	-	-	YB12A-A	-						
SS Replica	'81-'81	-	-	-	-	YB12A-A	-						
SS Supersport, Replica	'82-'82	-	-	-									

MOTORCYCLE APPLICATIONS

MOTORCYCLE

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
748	748 Strada Biposto, SP, SPS	'97-'00	-	-	-	YB16AL-A2	50	Bullit, Easy Moving, Runner	'97	-	-	-	YB4L-B
696	Monster 696	'08-'13	-	-	YT12B-BS	-	Eaglet	'95-'97	-	-	-	-	YB4L-B
650	Alazurra, Indiana, Pantah			YTX14AHL-BS	-	SYB14L-A2 †	GSA E-Starter		-	-	-	-	YB4L-B
600	Pantah			YTX14AHL-BS	-	SYB14L-A2 †	Runner	'97	-	-	-	-	YB4L-B
TL				YTX14AHL-BS	-	SYB14L-A2 †	Sioux E-Starter		-	-	-	-	YB4L-B
500	GTL, GTV			YTX24HL-BS *	-	Y50-N18L-A	Stalker, Storm, Top Rally		-	-	-	-	YB4L-B
Pantah				YTX14AHL-BS	-	SYB14L-A2 †	Typhoon	'97	-	-	-	-	YB4L-B
500	Sport			YTX24HL-BS *	-	Y50-N18L-A							
399	Scrambler Sixty2	'16	-	-	YT12B-BS	-							

EXCELSIOR-HENDERSON

1386 (85)	Super X	'99-'00	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
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GAS GAS

450	FSR450	'08	-	YTZ7S	YTX5L-BS	-
370	Pampera	'97	-	YTZ5S-BS	YTX4L-BS	-
320	Pampera	'98-'01	-	YTZ5S-BS	YTX4L-BS	-
250	Pampera	'96-'01	-	YTZ5S-BS	YTX4L-BS	-

GILERA

600	Nordwest	'93	-	YTX14AHL-BS	-	SYB14L-A2 †
RC 600C		'93	-	YTX14AHL-BS	-	SYB14L-A2 †
Top Rally, XRT			-	YTX14AHL-BS	-	SYB14L-A2 †
500	Dakota Kick-Start		-	-	-	12N5.5-3B
Dakota E-Starter			-	-	-	YB10L-A2
350	Dakota Kick-Start		-	-	-	12N5.5-3B
Dakota E-Starter			-	-	-	YB10L-A2
ER Kick-Start			-	-	-	12N5.5-3B
ER E-Starter			-	-	-	YB10L-A2
XRT			-	YTX14AHL-BS	-	SYB14L-A2 †
250	Arizona Rally		-	-	-	YB10L-B
RV NGR Kick-Start			-	-	-	12N5.5-3B
RV NGR E-Starter			-	-	-	YB10L-B
200	Arizona		-	-	-	12N5.5-3B
Arizona			-	-	-	YB9-B *
Fast Bike			-	-	-	12N5.5-3B
Fast Bike			-	-	-	YB9-B *
RTX, RV, RX Kick-Start			-	-	-	12N5.5-3B
RTX, RV, RX E-Starter			-	-	-	YB9-B *
T4			-	-	-	12N5.5-3B
Motocarro			-	-	-	B38-6A

125	Apache Kick-Start		-	-	-	12N5.5-3B
Apache E-Starter			-	-	-	YB9-B *
Arizona Kick-Start			-	-	-	12N5.5-3B
Arizona E-Starter			-	-	-	YB9-B *
Crona Kick-Start			-	-	-	12N5.5-3B
Crona E-Starter			-	-	-	YB9-B *
CX Kick-Start			-	-	-	12N5.5-3B
CX E-Starter			-	-	-	YB9-B *
Fast Bike Kick-Start			-	-	-	12N5.5-3B
Fast Bike E-Starter			-	-	-	YB9-B *
Freestyle Kick-Start			-	-	-	12N5.5-3B
Freestyle E-Starter			-	-	-	YB9-B *
GFR Kick-Start			-	-	-	12N5.5-3B
GFR E-Starter			-	-	-	YB9-B *
KK, KZ Kick-Start			-	-	-	12N5.5-3B
KK, KZ E-Starter			-	-	-	YB9-B *
MX1, MXR Kick-Start			-	-	-	12N5.5-3B
MX1, MXR E-Starter			-	-	-	YB9-B *
Nebraska Kick-Start			-	-	-	12N5.5-3B
Nebraska E-Starter			-	-	-	YB9-B *
R1, R1S Kick-Start			-	-	-	12N5.5-3B
R1, R1S El.-Starter			-	-	-	YB9-B *
RC Rally			-	-	-	YB10L-B
RTX, RV, RX Kick-Start			-	-	-	12N5.5-3B
RTX, RV, RX E-Starter			-	-	-	YB9-B *
SP01, SP02 Kick-Start			-	-	-	12N5.5-3B
SP01, SP02 E-Starter			-	-	-	YB9-B *
TOP Rally Kick-Start			-	-	-	12N5.5-3B
TOP Rally E-Starter			-	-	-	YB9-B *
Typhoon			-	-	-	YB7-A
XR1, XR2 Kick-Start			-	-	-	12N5.5-3B
XR1, XR2 E-Starter			-	-	-	YB9-B *

HARLEY-DAVIDSON

FLH, FLT, FLR Series (Touring)	'97-'22	GYZ32HL	YTX30L-BS	-	-
FL, FLH Series (Touring)	'85-'96	-	YTX24HL	-	Y50-N18L-A-CX
FL, FLH Series (Touring)	'65-'84	-	-	-	YHD-12H
FX, FL (Softail)	'91-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
FXST/FLST Series (Softail)	'84-'90	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX
FXD (Dyna) All	'91-'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
FX/FXR Series	'79-'94	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX
FXR Series	'99-'00	GYZ20H	YTX20H-BS	YTX20-BS	YB16-B-CX
FX Series (Electric Start)	'71-'78	-	YTX20H-BS	YTX20-BS	YB16-B-CX
FX Series (Kick Start)	'71-'72	-	-	-	YB7-A *
VRSC V-Rod	'07-'17	GYZ20HL	YTX20HL FA	YTX20L FA	-
VRSCR	'07	GYZ16H	YTX14H FA	-	-
VRSC V-Rod	'02-'06	GYZ16H	YTX14H FA	-	-
Pan-America	'21-'22	GYZ16HL	-	YTX14L-BS	-
XL, XLH, XR1200X (Sportster)	'04-'22	GYZ16HL	-	YTX14L-BS	-
XL, XLH (Sportster)	'97-'03	-	YTX20HL-BS	YTX20L-BS	-
XL, XLH (Sportster)	'87-'96	-	YTX20H-BS	YTX20-BS	YB16-B-CX
XL Series (Sportster)	'79-'85	-	YTX20H-BS	YTX20-BS	YB16-B-CX
1000 XLX-61, XR1000	'83-'85	-	YTX20H-BS	YTX20-BS	YB16-B-CX
XLCR Cafe Racer	'77-'78	-	YTX20H-BS	YTX20-BS	YB16-B-CX
XLCH Series (Sportster Kick Start)	'70-'78	-	-	-	YB7-A *
XLH (Sportster Electric Start)	'67-'78	-	-	-	YHD-12H
Street	'14-'21	GYZ16HL	-	YTX14L-BS	-
MT500 (Military)	All Years	-	YTX14AHL-BS	-	SYB14L-A2
SS350	All Years	-	-	-	6N11A-1B
SS250, SX250	'75-'78	-	-	-	YB7L-B *
SS175, SX175	'74-'78	-	-	-	YB7L-B *
SS125, SX125	'74-'78	-	-	-	YB7L-B *
SXT125	'75-'78	-	-	-	YB7L-B *
TX125	'73-'78	-	-	-	YB7L-B *
Z90	'73-'76	-	-	-	YB7L-B *

HONDA

1800 GL1800 Gold Wing, F6B, F6C	'12-'21	GYZ20L	-	-	-
GL1800 Gold Wing	'01-'10	GYZ20L	YTX20HL-BS	YTX20L-BS	-
VTX1800C, F, N, R Retro, S	'02-'11	GYZ20L	YTX20HL-BS	YTX20L-BS	-
NRX1800 Valkyrie Rune	'04-'05	GYZ20L	YTX20HL-BS	YTX20L-BS	-
1500 GL1500 Gold Wing	'88-'00	-	YTX24HL	-	Y50-N18L-A3
GL1500 Valkyrie	'97-'03	GYZ16H	YTX14H-BS	YTX14-BS	-
1300 CTX1300	'14	-	YTZ14S	-	-
ST1300, A, P	'03-'12	-	YTZ14S	-	-
VTX1300C, R, S, Retro	'03-'12	GYZ16H	YTX14H-BS	YTX14-BS	-
VT1300CS, CR, CT, CXA FURY	'09-'20	-	YTZ14S	-	-
1200 GL1200 Gold Wing	'84-'87	-	YTX24HL-BS *	-	Y50-N18L-A-CX
VFR1200F	'10-'14	-	YTZ14S	-	-
VFR1200XD	'13	-	YTZ14S	-	-
VFR1200X	'16-'17	-	YTZ14S	-	-
1100 CB1100F Super Sport	'83	-	YTX14AHL-BS	-	SYB14L-B2 *
CB1100	'10-'14	-	YTZ14S	-	-
CB1100EX	'17-	-	YTZ14S	-	-
CBR1100XX	'01-'04	-	YTZ12S	-	-
CBR1100XX	'97-'00	-	YTX12-BS	-	-
GL1100 Gold Wing	'80-'83	-	YTX24HL-BS *	-	Y50-N18L-A-CX
ST1100, ABS-TCS, 1100A	'91-'02	GYZ16H	YTX14H-BS	YTX14-BS	-
VF1100C V65 Magna	'83-'86	GYZ20H	YTX20-BS	YB18-A	-
VF1100S V65 Sabre	'84-'85	GYZ20HL	YTX20HL	YTX20L-BS	YB18L-A
VT1100C2 Shadow Sabre	'00-'07	GYZ16H	YTX14H-BS	YTX14-BS	-
VT1100C, C3, T, Shadow (Spirit, Aero, A. C. E. Tourer)	'01-'07	GYZ16H	YTX14H-BS	YTX14-BS	-
"VT1100C, C3, T, Shadow (Spirit, Aero, A. C. E. Tourer)"	'96-'00	-	-	-	HYB16A-AB
VT1100C Shadow Spirit	'85-'97	-	-	-	HYB16A-AB
VT1100C2 Shadow A. C. E.	'95-'99	-	-	-	HYB16A-AB
1000 CB1000	'94-'95	-	YTX12-BS	-	-
CB1000C Custom	'83	-	YTX14AHL-BS	-	SYB14L-A2 *
CB1000R	'09-'18	YTZ10S	-	-	-

* See Battery Cross Reference Chart on page 17

FA Must use factory activated battery

† This battery includes a sensor

▪ Top and front terminal mounts only

MOTORCYCLE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
CBF1000F	'09-'10	-	YTZ10S	-	-	Vigor 650	'99	-	YTR9-BS	-	-	-	-
CBR1000F Hurricane	'87-'96	-	YTX14AHL-BS	-	YB14L-B2	XR650L	'93-'20	-	-	YTX9-BS	-	-	-
CBR1000RA (ABS)	'08-'19	-	YTZ10S	-	-	600 CB600F (599)	'04-'06	-	YTZ8V	YTX7L-BS	-	-	-
CBR1000RR	'08-'18	-	YTZ7S	-	-	CBR600	'87-'00	-	-	YTX9-BS	-	-	-
CBR1000RR	'04-'07	-	YTZ10S	-	-	CBR600RR, RA	'05-'19	-	YTZ10S	-	-	-	-
CBX1000 Super Sport	'79-'80	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	CBR600F4i, 600RR	'01-'16	-	YTZ10S	-	-	-	-
CBX1000 Super Sport (Opt)	'79-'80	-	YTX24HL-BS*	-	Y50-N18L-A-CX	VT600C, CD Shadow Deluxe	'04-'07	-	YTZ10S	-	-	-	-
CBX1000 Super Sport	'81-'82	-	YTX24HL-BS*	-	Y50-N18L-A-CX	VT600C, CD Shadow Deluxe, VLX	'88-'03	-	-	YTX9-BS	-	-	-
CRF1000L Africa Twin	'16-'17	-	YTZ14S	-	-	XL600R	'83-'87	-	-	-	-	-	YB3L-A
GL1000 Gold Wing	'75-'79	-	YTX24HL-BS*	-	Y50-N18L-A-CX	XL600V Transalp	'89-'90	-	-	-	-	-	YB12A-B
RC213V-S	'16-'17	-	YTZ7S	YTX5L-BS	-	550 CB550 Four, K, SS	'74-'78	-	-	-	-	-	YB12A-A *
RTV1000R RC51	'00-'06	-	YTZ12S	-	-	CB550SC Nighthawk	'83	-	-	-	-	-	YB12L-A
VTR1000F Super Hawk	'01-'05	-	YTZ12S	-	-	500 CB500 Four, Twin	'71-'76	-	-	-	-	-	YB12A-A *
VTR1000F Super Hawk	'97-'00	-	-	YTX12-BS	-	CB500X, F	'13-'18	-	YTZ10S	-	-	-	-
VF1000R, F	'84-'86	-	-	-	YB16B-A	CB500X, F	'19-'20	-	YTZ8V	-	-	-	-
XL1000V Varadero	'10-'12	-	YTX20CH-BS	YTX16-BS	-	CBR500R	'13-'18	-	YTZ10S	-	-	-	-
954 CBR954RR	'02-'03	-	YTZ10S	-	-	CBR500, RA	'19-'20	-	YTZ8V	-	-	-	-
929 CBR29RR, RE	'00-'01	-	YTZ10S	-	-	CMX500, A	'17-'20	-	YTZ8V	-	-	-	-
919 CB900F (919)	'02-'06	-	YTZ10S	-	-	CX500, C, D, T	'78-'82	-	YTX14AHL-BS	-	SYB14L-A2†	-	-
900 CB900C, F	'80-'82	-	YTX14AHL-BS	-	SYB14L-A2†	FT500 Ascot	'82-'83	-	YTX14AHL-BS	-	SYB14L-A2†	-	-
CBR900R, RR	'93-'99	-	-	YTX9-BS	-	GB500	'89-'90	-	-	-	-	-	YB12A-B
800 PC800 Pacific Coast	'89-'98	-	-	YTX12-BS	-	GL500, I Silver Wing	'81-'82	-	YTX14AHL-BS	-	SYB14L-A2†	-	-
VFR800F Interceptor	'14-'16	-	YTZ12S	-	-	VF500F Interceptor	'84-'86	-	-	-	-	-	YB12A-A
VFR800, A Interceptor, ABS	'02-'12	-	YTZ12S	-	-	VT500C Shadow	'83-'86	-	-	-	-	-	YB12A-A
VFR800F Interceptor	'98-'01	-	-	YTX12-BS	-	VT500FT Ascot	'83-'84	-	-	-	-	-	YB12A-A
VT800C Shadow	'88	-	YTX14AH-BS	-	YB14-B2	XL500R	'82	-	-	-	-	-	YB3L-A
750 CB750 Nighthawk	'91-'03	-	YTX14AH-BS	-	YB14-A2	XL500S	'79-'81	-	-	-	-	-	6N4-2A-4
CB750A Hondamatic	'76-'78	-	YTX24HL-BS*	-	Y50-N18L-A-CX	450 CB450, SS	'67-'74	-	-	-	-	-	YB12A-A *
CB750C Custom	'80-'82	-	YTX14AHL-BS	-	SYB14L-A2†	CB450SC Nighthawk, T	'82-'86	-	-	-	-	-	YB12A-A
CB750F Super Sport	'75-'82	-	YTX14AHL-BS	-	SYB14L-A2†	CL450 Scrambler	'67-'74	-	-	-	-	-	YB12A-A *
CB750K Four	'69-'82	-	YTX14AHL-BS	-	SYB14L-A2†	CM450A Hondamatic, E	'82-'83	-	-	-	-	-	YB12A-A
CB750K Limited Edition	'79	-	YTX14AHL-BS	-	SYB14L-A2†	CMX450C Rebel	'86-'87	-	-	-	-	-	YB12A-A
CB750SC Nighthawk	'82-'83	-	YTX14AHL-BS	-	SYB14L-A2†	CRF450X	'05-'17	-	YTZ7S	-	-	-	-
NC750X, XD	'18	-	YTZ14S	-	-	CRF450X	'19-'22	Not Available	-	-	-	-	-
RVF750R (RC45)	'94	-	-	YTX9-BS	-	CRF450R,L	'17-'22	Not Available	-	-	-	-	-
VF750C V45 Magna	'88	-	-	-	YB12A-A	400 CB400A	'78	-	-	-	-	-	YB12A-A
VF750C V45 Magna	'82-'83	-	YTX14AH-BS	-	YB14-A2	CB400F CB-1	'89-'90	-	YTX9-BS	-	-	-	-
VF750C, C2, D Magna	'94-'03	-	-	YTX12-BS	-	CB400F Super Sport	'75-'77	-	-	-	-	-	YB12A-A *
VF750F V45 Interceptor	'83-'84	-	YTX14AH-BS	-	YB14-A2	CB400T Hawk, Hawk II	'78-'81	-	-	-	-	-	YB12A-A
VF750S V45 Sabre	'82-'83	-	YTX14AHL-BS	-	SYB14L-A2†	CB400Ti Hawk I	'78-'79	-	-	-	-	-	YB9-B *
VFR750F Interceptor	'86	-	-	-	YB12A-B	CM400 (All)	'79-'81	-	-	-	-	-	YB12A-A
VFR750F	'90-'97	-	-	YTX12-BS	-	360 CB360, G, T	'74-'76	-	-	-	-	-	YB12A-A *
VFR750R (RC30)	'90	-	-	YTX9-BS	-	CJ360T '	'76-'77	-	-	-	-	-	YB9-B *
VT750C, CA, C2	'04-'08	-	YTZ12S	-	-	CL360 Scrambler	'74-'75	-	-	-	-	-	YB12A-A *
VT750C Shadow	'83	-	-	-	HYB16A-AB	350 CB350 Super Sport Four	'68-'74	-	-	-	-	-	YB12A-A *
VT750C, CA, CD Shadow	'98-'03	-	YTX14H-BS	YTX14-BS	-	CL350 Scrambler	'68-'73	-	-	-	-	-	YB12A-A *
VT750C, CA, C2 Shadow	'04-'09	-	YTZ12S	-	-	SL350 Motopart	'70-'73	-	-	-	-	-	12N5-4B
VT750C, C2, C2B, RS Shadow / Phantom/Aero	'10-'22	-	YTZ14S	-	-	SL350 Motopart	'69-'70	-	-	-	-	-	YB12A-A *
VT750DC, DCA, DCB Shadow Spirit	'01-'03	-	YTZ14S	-	-	XL350	'74-'78	-	-	-	-	-	6N6-3B
CB700SC Nighthawk 'S'	'84-'86	-	-	-	YB14L-A1	350 CB350 Super Sport Four	'84-'85	-	-	-	-	-	YB3L-A
CTX700	'14-'18	-	YTZ12S	-	-	CL350 Scrambler	'68-'73	-	-	-	-	-	12N9-3A
VF700C Magna	'87	-	-	-	YB12A-A	CMX300, A	'17-'20	-	YTX7L-BS	-	-	-	-
VF700C Magna	'84-'86	-	YTX14AH-BS	-	YB14-A2	CL77 Super Hawk	'61-'68	-	YTX7L-BS	-	-	-	-
VF700F Interceptor	'84-'85	-	YTX14AH-BS	-	YB14-A2	CL77 Scrambler	'65-'68	-	YTX7L-BS	-	-	-	-
VF700S Sabre	'84-'85	-	YTX14AHL-BS	-	SYB14L-A2†	300 CB300F	'15-'18	-	YTX7L-BS	-	-	-	-
VFR700 Interceptor	'86-'87	-	-	-	YB12A-B	CBR300R, RA	'15-'20	-	YTX7L-BS	-	-	-	-
VTF700C Shadow	'86-'87	-	YTX14AH-BS	-	YB14-B2	CB300R, RA	'19-'20	-	YTX7L-BS	-	-	-	-
VT700C Shadow	'84-'85	-	-	-	HYB16A-AB	CBF300N, NA	'21-'22	-	YTX7L-BS	-	-	-	-
NT700V	'10-'13	-	YTZ14S	-	-	CMX300, A	'17-'20	-	YTX7L-BS	-	-	-	-
NC700X	'12-'17	-	YTZ12S	-	-	250 CA72 Dream Touring (late)	'63-'69	-	YTX7L-BS	-	-	-	-
NC700X (NM4)	'15-'16	-	YTZ12S	-	-	CB72 Super Hawk	'61-'68	-	YTX7L-BS	-	-	-	-
680 DN-01	'09-'13	-	YTZ14S	-	-	CL72 Scrambler	'65-'68	-	YTX7L-BS	-	-	-	-
650 CB650, Custom	'79-'82	-	-	-	YB12A-A	300 CB300F	'15-'18	-	YTX7L-BS	-	-	-	-
CB650SC Nighthawk	'83-'85	-	-	-	YB12A-LA	CBR300R, RA	'15-'20	-	YTX7L-BS	-	-	-	-
CB650SC Nighthawk	'82	-	-	-	YB12A-A	CB300R, RA	'19-'20	-	YTX7L-BS	-	-	-	-
CB650F, FA	'18	-	YTZ10S	-	-	CBF250R	'11-'13	-	YTX7L-BS	-	-	-	-
CB650R, RA	'19-'20	-	YTZ10S	-	-	CL72 Scrambler	'62-'65	-	YTX7L-BS	-	-	-	-
CBR650F, RA	'14-'20	-	YTZ10S	-	-	CM250C Custom	'82-'83	-	YTX7L-BS	-	-	-	-
CX650C Custom	'83	-	YTX14AH-BS	-	YB14-A2	CMX250C Rebel	'96-'16	-	YTX7L-BS	-	-	-	-
CX650T Turbo	'83	-	YTX14AHL-BS	-	SYB14L-A2†	CMX250C Rebel, LTD	'85-'87	-	YTX7L-BS	-	-	-	-
GL650i Silver Wing Interstate	'83	-	YTX14AHL-BS	-	SYB14L-A2†	CRF250F	'20-'22	-	YTX7L-BS	-	-	-	-
NT650 Hawk GT	'88-'91	-	-	YTX9-BS	-	CRF250L	'13-'19	-	YTX7L-BS	-	-	-	-
NT650V	'98-'10	-	YTR9-BS	-	-	CRF250R	'18-'22	Not Available	-	-	-	-	-
NX650	'88-'89	-	YTX9-BS	-	-	CRF250X	'04-'18	-	YTX7L-BS	-	-	-	-
SLR650	'97-'98	-	YTR9-BS	-	-	MT250 Elsinore	'74-'76	-	YTX7L-BS	-	-	-	-
* See Battery Cross Reference Chart on page 17						NX250	'88-'90	-	YTX7L-BS	-	-	-	-
† This battery includes a sensor						VT250 Interceptor VTR	'88-'90	-	YTX7L-BS	-	-	-	-
■ Top and front terminal mounts only						XL250	'72-'76	-	YTX7L-BS	-	-	-	-
						XL250R	'82-'87	-	YTX7L-BS	-	-	-	-

* See Battery Cross Reference Chart on page 17
 † This battery includes a sensor
 ■ Top and front terminal mounts only

MOTORCYCLE APPLICATIONS

MOTORCYCLE

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
XL250S	'78-'81	-	-	-	6N4-2A-4	SL70 Motosport	'73	-	-	-	-	-	6N2A-2C-3
XR250L	'91-'96	-	YTZ5S-BS	YTX4L-BS	-	SL70 Motosport	'71-'72	-	-	-	-	-	6N2A-2C
230 CRF230L	'14	-	YTZ8V	YTX7L-BS	-	XL70	'74-'76	-	-	-	-	-	6N4C-1B
CRF230L, M	'08-'13	-	YTZ7S	YTX5L-BS	-	65 S65 Sport (CS65)	'65-'69	-	-	-	-	-	6N2-2A
CRF230F, L ('07)	'03-'19	-	YTZ7S	YTX5L-BS	-	55 C, CA105T Trail	'62-'65	-	-	-	-	-	6N2-2A
200 CB200, T	'74-'76	-	-	-	YB9-B *	50 C110, CA110	'59-'69	-	-	-	-	-	6N2-2A
CL200 Scrambler	'74	-	-	-	YB9-B *	MB5	'82	-	-	-	-	-	YB2.5L-C
CM200T Twinstar	'81-'82	-	-	-	YB9-B *	NA50 Express II	'80-'81	-	-	-	-	-	6N4-2A-6
CM200T Twinstar	'80	-	-	-	6N12A-2C	NA50 Express II	'79	-	-	-	-	-	6N2-2A
TLR200 Reflex	'86-'87	-	YTZ5S-BS	YTX4L-BS	-	NC50 Express	'80-'83	-	-	-	-	-	6N4-2A-6
TR200 Fat Cat	'87	-	-	YTX7A-BS	-	NC50 Express	'78-'79	-	-	-	-	-	6N2-2A
TR200 Fat Cat	'86	-	-	YTX9-BS	-	NC50 Express	'77	-	-	-	-	-	6N2A-2C-3
XL200R	'83-'84	-	-	-	YB3L-A	NS50F	'90	-	-	-	-	-	YB3L-A
185 CM185T Twinstar	'78-'79	-	-	-	6N12A-2D	NU50 Urban Express	'82-'83	-	-	-	-	-	YB2.5L-C-1
XL185S	'79-'83	-	-	-	6N4-2A-4	NU50M Urban Express Deluxe	'82-'83	-	-	-	-	-	YB4L-B
175 CA175 Touring (CD175)	'68-'69	-	-	-	B54-6	NX50M Express SR	'81-'82	-	-	-	-	-	6N2A-2C-1
CA175 Touring (CD175K3)	'69-'70	-	-	-	6N12A-2D	Z50A (K1)	'69-'70	-	-	-	-	-	6N2A-2C-1
CB175 Super Sport	'69-'73	-	-	-	YB9-B *	ZB50	'88	-	YTZ5S-BS	YTX4L-BS	-	-	-
CL175 Scrambler	'68-'73	-	-	-	YB9-B *								
SL175 Motosport	'70-'72	-	-	-	12N5-4B								
XL175	'73-'78	-	-	-	6N6-3B								
160 CB160 Sport	'65-'69	-	-	-	YB9-B *								
CL160 Scrambler	'66-'68	-	-	-	YB9-B *								
150 CRF150F	'06-'16	-	YTZ7S	YTX5L-BS	-								
125 C125A	'19-'21	-	YTZ5S-BS	-	-								
CB125S	'81-'82	-	-	-	6N6-3B-1								
CB125S	'73-'80	-	-	-	6N6-3B								
CL125A Scrambler (Twin)	'67-'69	-	-	-	B54-6								
CL125S Scrambler	'73-'75	-	-	-	6N4C-1B								
CRF125F	'14-'18	-	YTZ5S-BS	YTX4L-BS	-								
CRF125F, FB	'19-'22	-	YTZ4V	-	-								
CT125 Trail	'77	-	-	-	6N4C-1B								
Grom 125 AC	'14-'22	-	YTZ5S-BS	-	-								
MT125 Elsinore	'74-'76	-	-	-	6N6-3B								
NX125	'88-'90	-	YTZ8V	YTX7L-BS	-								
SL125 Motosport	'71-'73	-	-	-	6N6-3B								
SS125A Super Sport	'67-'69	-	-	-	B54-6								
XL125	'74-'78	-	-	-	6N4C-1B								
w XL125S	'79-'84	-	-	-	6N4-2A-4								
XL125S	'85	-	-	-	YB2.5L-C								
Z125M, MA	'19-'22	-	YTZ5S-BS	-	-								
110 CRF110F	'13-'18	-	YTZ5S-BS	YTX4L-BS	-								
CRF110F	'19-'22	-	YTZ4V	-	-								
CT110 Trail	'86	-	-	-	6N4-2A-4								
CT110 Trail	'80-'84	-	-	-	6N4-2A-8								
C110	'09-'10	-	YTZ7S	YTX5L-BS	-								
100 CB100 Super Sport	'70-'72	-	-	-	6N6-3B	310 TC, TXC, TE, SMR	'10-'12	-	YTZ7S	YTX5L-BS	-	-	
CL100, S Scrambler	'70-'73	-	-	-	6N6-3B	300 TE	'14-'16	-	YTZ7S	YTX5L-BS	-	-	
SL100 Motosport	'70-'73	-	-	-	6N6-3B	TE	'17-'19	Not Available	-	-	-	-	
XL100	'77-'78	-	-	-	6N4C-1B	250 FC	'14-'15	-	YTZ5S	YTX4L-BS	-	-	
XL100	'74-'76	-	-	-	6N6-3B	FC	'16-'20	Not Available	-	-	-	-	
XL100S	'83-'85	-	-	-	6N4-2A-4	FE	'14-'16	-	YTZ7S	YTX5L-BS	-	-	
XL100S	'81-'82	-	-	-	6N4C-1B	TE	'02-'16	-	YTZ7S	YTX5L-BS	-	-	
XL100S	'79-'80	-	-	-	6N4-2A-4	FE, TE	'17-'19	Not Available	-	-	-	-	
90 CA200 Honda 90 , (C200 Touring 90)	'63-'66	-	-	-	6N6-1D	TXC	'08-'12	-	YTZ7S	YTX5L-BS	-	-	
CL90, L 5HP Scrambler	'67-'70	-	-	-	6N5.5-1D								
CM91 Honda 90 (C90M)	'66-'69	-	-	-	6N6-1B								
CT200 Trail 90	'64-'66	-	-	-	6N5.5-1D								
CT90 Trail	'66-'79	-	-	-	6N5.5-1D								
EZ90 Cub	'91-'96	-	YTZ7S	YTX5L-BS	-								
S90 Super (CS90)	'64-'69	-	-	-	6N6-1B								
SL90 Motosport	'69	-	-	-	6N5.5-1D								
ST90 Trail Sport	'73-'75	-	-	-	6N5.5-1D								
80 XL80S	'83-'85	-	-	-	6N4-2A-8								
XL80S	'80-'82	-	-	-	6N4C-1B								
75 XL75	'77-'79	-	-	-	6N4C-1B								
70 C70 Passport	'82-'83	-	-	-	YB5L-B								
C70 Passport	'80-'81	-	-	-	6YB11-2D *								
C70 Honda	'70-'73	-	-	-	6YB11-2D *								
CL70 Scrambler	'69-'73	-	-	-	6N5.5-1D-1								
CT70	'91-'94	-	YTZ5S-BS	YTX4L-BS	-								
CT70 Trail	'80-'82	-	-	-	6N4-2A-6								
CT70 Trail	'74-'79	-	-	-	6N4C-1B								
CT70 Trail, 70H	'69-'71	-	-	-	6N2A-2C	FTR 1200	'19-'22	GYZ16H	YTX14H-BS	-	-	-	
CT70, 70H	'72-'73	-	-	-	6N2A-2C-3	All Models	'99-'01	GYZ20H	YTX20H-BS	YTX20-BS	-	-	
*	See Battery Cross Reference Chart on page 17					Scout, Bobber	'15-'22	-	YTX14AH	-	-	-	

INDIAN

Chief Classic, Chief Vintage, Chieftain, Roadmaster	'14-'22	GYZ20HL	YTX20HL-BS	-	-
Chief Dark Horse, Springfield	'16-'22	GYZ20HL	YTX20HL-BS	-	-
Challenger, Dark Horse, Limited	'20-'22	GYZ20HL	YTX20HL-BS	-	-
Chief Classic, Vintage, Dark Horse	'12-'13	-	YTX24HL-BS	-	-
Chief (all models)	'09-'11	GYZ20H	YTX20H-BS	YTX20-BS	-
Chief	'02-'03	-	YTX24HL-BS	-	-
Scout, Spirit	'02-'03	GYZ20H	YTX20H-BS	YTX20-BS	-
FTR 1200	'19-'22	GYZ16H	YTX14H-BS	-	-
All Models	'99-'01	GYZ20H	YTX20H-BS	YTX20-BS	-
Scout, Bobber	'15-'22	-	YTX14AH	-	-

MOTORCYCLE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
Scout Sixty	'16-'22	-	YTX14AH	-	-	-	W800 Café	'19-'22	-	-	YTX12-BS	-	-
KAWASAKI													
2000 VN2000-A Vulcan	'04-'10	-	YTX20CH-BS	YTX16-BS	-	-	Z800, ABS	'13-'16	-	-	YTX9-BS	-	-
1700 VN1700 Voyager, Nomad, Vaquero	'09-'22	-	YTX20CH-BS	YTX16-BS	-	-	750 H2 Series	'72-'75	-	-	-	12N5.5-4A	-
1600 VN1600-A Vulcan Classic, D, Nomad	'03-'09	-	YTX20CH-BS	YTX16-BS	-	-	KZ750, LTD, CSR	'76-'79	-	YTX14AHL-BS	-	SYB14L-A2†	-
VN1600-B Vulcan Mean Streak	'04-'09	-	YTX20CH-BS	YTX16-BS	-	-	KZ750-E, H, LTD	'80-'83	-	-	-	YB12A-A	-
1500 VN1500 Vulcan 88, SE	'87-'98	-	YTX24HL-BS*	-	Y50-N18L-A-CX	-	KZ750-F LTD, Spectre	'83	-	YTX14AHL-BS	-	SYB14L-A2†	-
VN1500-C Vulcan L	'96-'97	-	YTX24HL-BS*	-	Y50-N18L-A-CX	-	KZ750-L Ninja	'93	-	-	YTX9-BS	-	-
VN1500-G, J, L, R, Vulcan Nomad, Drifter	'99-'05	-	YTX20CH-BS	YTX16-BS	-	-	KZ750-R GP	'82	-	-	-	YB12A-A	-
VN1500-D, E, N Vulcan Classic	'96-'09	-	YTX20CH-BS	YTX16-BS	-	-	VN750-A Vulcan	'86-'06	-	YTX14AHL-BS	-	SYB14L-A2†	-
VN1500-P Vulcan Mean Streak	'02-'03	-	YTX20CH-BS	YTX16-BS	-	-	VN750-A LTD	'84-'85	-	YTX14AHL-BS	-	SYB14L-A2†	-
1400 Ninja ZX-14R, ABS	'06-'22	GYZ16H	YTX14H-BS	-	-	-	ZR-7, S	'00-'03	-	-	YTX12-BS	-	-
ZG1400 Concours, ABS	'08-'19	GYZ16H	YTX14H-BS	-	-	-	ZR750 (Z750S)	'05-'06	-	-	YTX9-BS	-	-
1300 KZ1300 Touring	'79-'82	-	YTX24HL-BS*	-	Y50-N18L-A-CX	-	ZR750-C Zephyr	'91-'94	-	-	YTX12-BS	-	-
ZN1300-A Voyager	'83-'88	-	-	-	12N24-3	-	ZX750-E Turbo, GPz	'83-'85	-	-	-	SYB14L-A2†	-
1200 1200 ZG1200 Voyager XII	'86-'03	-	YTX24HL-BS	-	SY50-N18L-AT	-	ZX750-F Ninja	'87-'90	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZRX1200R	'01-'05	GYZ16H	YTX14H-BS	-	-	-	ZX750-H Ninja ZX-7	'90	-	-	-	YB12AL-A2	-
ZRX1200 DAEG	'09-'13	-	-	YTX12-BS	-	-	ZX750-J Ninja ZX-7	'89	-	YTX14AHL-BS	-	SYB14L-A2†	-
Ninja ZX-12R	'00-'05	GYZ16H	YTX14H-BS	YTX14-BS	-	-	ZX750-Ninja ZX-7R	'91-'95	-	-	YTX12-BS	-	-
ZZR1200	'02-'05	GYZ16H	YTX14H-BS	YTX14-BS	-	-	ZX750 Ninja ZX-7R	'91-'97	-	-	YTX9-BS	-	-
1100 KZ1100-A, LTD	'81-'83	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	-	ZX750-P Ninja ZX-7R	'96-'03	-	-	YTX12-BS	-	-
KZ1100-B GP	'81-'82	GYZ20H	YTX20HL-BS	YTX20L-BS	YB16L-B	-	700 KZ700-A	'84	-	-	-	YB12A-A	-
ZN1100-B LTD	'84-'85	-	YTX14AHL-BS	-	SYB14L-A2†	-	VN700-A Vulcan	'85	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZR1100	'92-'95	-	YTX20CH-BS	YTX16-BS	-	-	ZN700-A LTD	'84-'85	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZRX1100	'99-'00	GYZ16H	YTX14H-BS	YTX14-BS	-	-	650 ER6n	'09-'12	-	-	YTX12-BS	-	-
ZX1100-A GPz	'83-'84	-	-	-	SYB16L-B	-	KLR650, Adv., Trav.	'22	-	-	YTX9-BS	-	-
ZX1100-C Ninja ZX-11	'90-'93	-	YTX14AHL-BS	-	SYB14L-A2†	-	KL650-A, E, KLR	'87-'18	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZX1100-D Ninja ZX-11 (CN)	'93-'94	GYZ16H	YTX14H-BS	YTX14-BS	-	-	KL650-B Tengai	'90-'91	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZX1100-D Ninja ZX-11	'95-'01	GYZ16H	YTX14H-BS	YTX14-BS	-	-	KLE650 Versys	'08-'20	-	-	YTX12-BS	-	-
ZX1100-E (GPz1100)	'95-'97	GYZ16H	YTX14H-BS	YTX14-BS	-	-	KLX650C, R	'93-'96	-	-	YTX9-BS	-	-
1000 KZ1000-P Police	'02-'03/'05	GYZ20H	YTX20HL-BS	YTX20L-BS	-	-	KZ650 SR, LTD, Custom	'77-'80	-	-	-	YB10L-A2*	-
KZ1000-P Police	'82-'01	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	-	KZ650-H CSR	'81-'83	-	-	-	YB12A-A	-
KZ1000-C Police	'80-'81	GYZ20H	YTX20HL-BS	YTX20L-BS	YB16L-B	-	Ninja 650, ABS	'17-'22	-	YTZ10S	-	-	-
KZ1000-C Police, Z1-R	'78-'79	-	YTX14AHL-BS	-	SYB14L-A2†	-	Ninja 650R, Ninja 650R ABS	'12-'16	-	-	YT12A-BS	-	-
KZ1000-D, Z1-R	'78-'80	-	YTX14AHL-BS	-	YB14L-A2	-	Ninja 650R	'06-'11	-	-	YT12-BS	-	-
KZ1000, LTD	'77-'80	-	YTX14AHL-BS	-	SYB14L-A2†	-	Vulcan S ABS, CAFÉ, SE	'15-'22	-	YTZ10S	-	YB7L-B*	-
KZ1000-E ST, Shaft	'79-'80	GYZ20H	YTX20HL-BS	YTX20L-BS	YB16L-B	-	W Series	'66-'70	-	-	-	-	-
KZ1000-G Classic	'80	-	YTX14AHL-BS	-	SYB14L-A2†	-	W650	'00-'02	GYZ16H	YTX14H-BS	YTX14-BS	-	-
KZ1000, LTD, CSR	'81-'83	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	-	Z650 ABS	'17-'22	YTZ10S	-	-	-	-
KZ1000-R Replica	'82-'83	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	-	636 ZX636-B, C Ninja ZX-6R, ABS	'03-'22	-	-	YTX9-BS	-	-
Z1000, ABS	'14-'16	-	-	YTX12A-BS	-	-	600 KL600-A KLR	'84	-	-	-	YB4L-A	-
Z1000, ABS	'03-'13	-	-	YTX9-BS	-	-	KL600-B KLR	'85-'86	-	YTX14AHL-BS	-	SYB14L-A2†	-
ZG1000-A Concours	'86-'06	GYZ20H	YTX20HL-BS	YTX20L-BS	YB18L-A	-	ZL600 (All)	'86-'97	-	-	-	YB12A-A	-
Z H2	'22	-	-	YTX9-BS	-	-	ZX600-A, B, C, D Ninja	'85-'96	-	-	-	YB12A-A	-
ZL1000-A	'87	-	YTX14AHL-BS	-	SYB14L-A2†	-	ZX600-FA Ninja ZX-6R	'08-'22	-	-	YTX9-BS	-	-
ZX10R	'86-'90	-	YTX14AHL-BS	-	SYB14L-A2†	-	ZX600-E, F Ninja ZX-6, 6R	'93-'02	-	-	YTX12-BS	-	-
ZX10R, ABS	'11-'22	-	YTX12-BS	-	-	-	ZX600-G, J Ninja ZX-6R	'98-'08	-	-	YTX9-BS	-	-
ZX10R (non ABS)	'04-'10	-	YTX12-BS	-	-	-	ZX600-K, M, N Ninja ZX-6RR	'03-'06	-	-	YTX9-BS	-	-
ZX10R (non ABS)	'11-'15	-	YTX12-BS	-	-	-	ZXR600	'05-'09	-	-	YTX9-BS	-	-
ZX10R (non ABS)	'16-'22	-	YTX12-BS	-	-	-	ZXR600	'02-'04	-	-	YTX12-BS	-	-
ZX1000-A Ninja 1000R, GPZ1000RX	'86-'87	-	YTX14AHL-BS	-	SYB14L-A2†	-	550 KZ550, LTD, GP	'80-'83	-	-	-	YB12A-A	-
ZX1000-B Ninja ZX10	'88-'89	-	YTX14AHL-BS	-	SYB14L-A2†	-	KZ550-F LTD	'84	-	-	-	YB12A-A **	-
ZX1000-C Ninja ZX-10R	'04-'10	-	YTX14AHL-BS	-	SYB14L-A2†	-	KZ550-F Spectre	'83	-	-	-	YB12A-A **	-
Ninja 1000, ABS	'17-'20	-	YTX12-BS	-	-	-	KZ550-H GP	'82-'83	-	-	-	YB12A-A †	-
Ninja 1000, ABS	'14-'16	-	YTX12-BS	-	-	-	ZR550-B Zephyr	'90-'92	-	-	-	YB12A-A	-
Ninja 1000, ABS	'11-'13	-	YTX12-BS	-	-	-	ZX550-A GPz	'84-'86	-	-	-	YB12A-A †	-
Ninja 1000 SX	'22	-	YTX12-BS	-	-	-	500 EN500-A Vulcan	'90-'96	-	-	-	YB12A-A	-
Ninja H2, H2R, Carbon, SX SE	'15-'20	-	YTX12-BS	-	-	-	EN500-C Vulcan LTD	'96-'10	-	-	-	YB12AL-A2	-
Ninja ZX-10RR	'17-'19	-	YTX12-BS	-	-	-	EX500-A	'87-'93	-	YTX14AHL-BS	-	YB14L-A2	-
Versys 1000, LT	'15-'22	-	YTX12-BS	-	-	-	EX500-D Ninja 500	'94-'10	-	YTX14AHL-BS	-	YB14L-A2	-
900 KZ900, LTD	'76-'77	-	YTX12-BS	-	-	-	H1 Series	'73-'75	-	-	-	YB9L-B *	-
Vulcan 900 Classic , Custom	'06-'22	-	YTX12-BS	-	-	-	H1 Series	'69-'72	-	-	-	YB9-B *	-
Z900 (Z1 Series)	'72-'76	YTX14AHL-BS	-	SYB14L-A2†	-	-	KH500-A	'76	-	-	-	YB9L-B *	-
Z900 ABS, Z900RS ABS, Café	'17-'22	-	YTX12-BS	-	-	-	450 EN450-A 454 LTD	'85-'90	-	-	-	YB12A-A	-
ZL900-A Eliminator	'85-'86	YTX14AHL-BS	-	SYB14L-A2†	-	-	KLX450R	'08-'19	-	YTZ7S	-	-	-
Ninja GPZ900R, ZX900A1-A16	'84-'03	YTX14AHL-BS	-	SYB14L-A2†	-	-	440 KZ440 (All)400 KH400-A	'80-'83	-	-	-	YB12A-A	-
ZX900-B Ninja (ZX-9R)	'94-'97	-	YTX12-BS	-	-	-	400 Ninja 400, ABS	'08-'22	-	YTX9-BS	-	-	-
ZX900-C Ninja (ZX-9R)	'98-'99	-	YTX12-BS	-	-	-	KH400-A	'76-'78	-	-	-	12N5.5-4A	-
ZX900-E, F Ninja (ZX-9R)	'00-'03	-	YTX12-BS	-	-	-	KLX400R, KLX400SR	'03	-	-	Y77-BS	-	-
800 V800-A, B, E Vulcan, Classic, Drifter	'04-'06	-	YTX12-BS	-	-	-	KZ400 Deluxe	'77-'79	-	-	-	YB12A-A *	-
VN800-A, B, C, E Vulcan, Classic, Drifter	'95-'03	GYZ16H	YTX14H-BS	YTX14-BS	-	-	KZ400-D, H	'74-'79	-	-	-	12N5.5-4A	-
VN800-A, B, C, E Vulcan, Classic, Drifter	'95-'03	GYZ16H	YTX14H-BS	YTX14-BS	-	-	KZ400-aS	'75-'77	-	-	-	12N5.5-4A	-
ZX900-B Ninja (ZX-9R)	'94-'97	-	YTX12-BS	-	-	-	S3 Series	'74-'75	-	-	-	12N5.5-4A	-
ZX900-C Ninja (ZX-9R)	'98-'99	-	YTX12-BS	-	-	-	Z400 ABS	'19-'22	-	YTX9-BS	-	-	-
VN800-A, B, C, E Vulcan, Classic, Drifter	'95-'03	-	YTX12-BS	-	-	-	350 A7 Series	'66-'71	-	-	-	YB9-B *	-
VN800-A, B, C, E Vulcan, Classic, Drifter	'95-'03	GYZ16H	YTX14H-BS	YTX14-BS	-	-	F5 Series	'70-'71	-	-	-	6N2-2A-3	-

* See Battery Cross Reference Chart on page 17

† This battery includes a sensor

** When ordering this battery, specify terminal adapter

† Top and front terminal mounts only

MOTORCYCLE APPLICATIONS

MOTORCYCLE

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
F9 Series	'73-'75	-	-	-	-	6N4B-2A-3	Duke	'13-'17	-	-	YTX9-BS	-	-
F9 Series	'72	-	-	-	-	6N2-2A-3	Supermoto, SM R	'07-'13	-	YTZ10S	-	-	-
S2 Series	'72-'73	-	-	-	-	12N5.5-4A	Enduro R	'08-'20	-	YTZ10S	-	-	-
305 EX305-B GP	'83	-	-	-	-	YB9L-A2	SMC-R	'19-'20	-	YTZ10S	-	-	-
KZ305 CSR, LTD	'81-'88	-	-	-	-	YB10L-A2	640 Adventurer, Duke, RXC LC4	'99-'02	-	-	YTX9-BS	-	-
300 EX300 Ninja, ABS	'13-'17	-	-	-	-	YTX9-BS	Super Moto	'07-'13	-	YTZ10S	-	-	-
Versys-X 300, ABS	'17-'19	-	-	-	-	YTX9-BS	Duke II, LC4, Adventure	'03-'08	-	YTZ10S	-	-	-
KLX300R	'20-'22	-	YTZ6V	-	-	YB9L-A2	625 SMC, SXC	'03-'09	-	YTZ10S	-	-	-
250 EX250, Ninja 250R	'08	-	-	-	-	YTX7A-BS	620 Adventure, Duke, LC4	'96-'98	-	-	YTX9-BS	-	-
EX250, Ninja 250R	'09-'12	-	-	-	-	YTX9-BS	530 EXC, Racing	'08-'12	-	YTZ7S	YTX5L-BS	-	-
A1 Series	'66-'71	-	-	-	-	YB9-B *	XC-W	'09-'12	-	YTZ7S	YTX5L-BS	-	-
EL250, HS	'88-'93	-	-	-	-	YB9L-A2	525 EXC Racing	'03-'07	-	YTZ5S-BS	YTX4L-BS	-	-
EX250 Ninja	'95-'07	-	YTZ8V	YTX7L-BS	-	-	MX Desert Racing	'03	-	YTZ7S	YTX5L-BS	-	-
EX250 Ninja	'86-'94	-	-	-	-	YB9L-A2	MXC Racing	'00	-	YTZ7S	YTX5L-BS	-	-
F4 Series	'69-'70	-	-	-	-	12N5.5-4A	520 E/XC, M/XC Racing 4-Stroke	'00-'02	-	YTZ5S-BS	YTX4L-BS	-	-
F8 Series	'71-'72	-	-	-	-	6N2-2A-3	E/XC, M/XC Racing 4-Stroke (Opt)	'00-'02	-	YTZ7S	YTX5L-BS	-	-
F11 Series	'73-'75	-	-	-	-	6N4B-2A-3	450 EXC Racing	'03-'05	-	YTZ5S-BS	YTX4L-BS	-	-
KE250-B	'77-'79	-	-	-	-	6N6-1D-2	EXC Racing	'05-'13	-	YTZ7S	YTX5L-BS	-	-
KH250-A	'76	-	-	-	-	12N5.5-4A	SX-F, XC-F, XC-W	'08-'10	-	YTZ7S	YTX5L-BS	-	-
KL250 Super Sherpa	'00-'10	-	YTZ8V	YTX7L-BS	-	-	SX-F	'11-'15	-	YTZ5S-BS	YTX4L-BS	-	-
KL250	'78-'84	-	-	-	-	6N6-1D-2	450SMR	'09-'12	-	YTZ7S	YTX5L-BS	-	-
KL250-D KLR	'85-'05	-	-	-	-	YB4L-A	450SMR	'13	-	YTZ5S-BS	YTX4L-BS	-	-
KLX250, S, SF Camo	'06-'20	-	YTZ8V	YTX7L-BS	-	400	EXC, Racing	'05-'11	-	YTZ7S	YTX5L-BS	-	-
KZ250 CSR, LTD	'80-'83	-	-	-	-	YB10L-A2 *	EXC, Racing	'03-'05	-	YTZ5S-BS	YTX4L-BS	-	-
S1 Series	'73-'75	-	-	-	-	12N5.5-4A	XC-W	'09-'10	-	YTZ7S	YTX5L-BS	-	-
230 KLX230, ABS	'20-'22	-	-	-	-	YTX7A-BS	E/XC Racing 4-Stroke	'00-'02	-	YTZ5S-BS	YTX4L-BS	-	-
KLX230R	'20-'22	-	YTZ7S	YTX5L-BS	-	-	E/XC Racing 4-Stroke (Opt)	'00-'02	-	YTZ7S	YTX5L-BS	-	-
200 KZ200-A	'78-'79	-	-	-	-	YB10L-B	390 Duke	'15-'18	-	-	YTX9-BS	-	-
175 F7 Series	'71-'75	-	-	-	-	6N4-2A-5	LC4 EXC	'96-'98	-	-	YTX9-BS	-	-
KE175-B	'76-'78	-	-	-	-	6N6-1D-2	RC 390	'18	-	-	YTX9-BS	-	-
W175 SE	'19	-	YTZ8V	YTX7L-BS	-	-	350 XC-F	'11-'12	-	YTZ7S	YTX5L-BS	-	-
140 KLX140, G, L	'08-'22	-	YTZ8V	YTX7L-BS	-	-	YB9-B	'11-'15	-	YTZ5S-BS	YTX4L-BS	-	-
125 BN125 Eliminator	01-'10	-	-	-	-	6N4-2A-5	350 XC-F	'11-'15	-	YTZ5S-BS	YTX4L-BS	-	-
F6 Series	'71-'73	-	-	-	-	6N6-1D-2	EXC-F	'14	-	YTZ5S-BS	YTX4L-BS	-	-
KE125-A	'76-'83	-	-	-	-	6N6-1D-2	Freeride	'13	-	YTZ7S	YTX5L-BS	-	-
KS125 Series	'74-'75	-	-	-	-	6N6-1D-2	300 XC, XC-W, EXC-F	'11-'13	-	YTZ5S-BS	YTX4L-BS	-	-
Z125 PRO	'17-'19	-	YTZ5S-BS	YTX4L-BS	-	-	XC, XC-W	'14	-	YTZ7S	YTX5L-BS	-	-
120 C250 RoadRunner	'67-'69	-	-	-	-	6N4-2A-3	250 EXC, Racing	'05-'10	-	YTZ7S	YTX5L-BS	-	-
C2TR RoadRunner	'67-'69	-	-	-	-	6N4-2A-3	EXC, Racing	'03-'05	-	YTZ5S-BS	-	-	-
110 KLX110, L	'03-'22	-	YTZ5S-BS	YTX4L-BS	-	-	EXF	'05-'10	-	YTZ7S	YTX5L-BS	-	-
100 G3SS Series	'75	-	-	-	-	6N4-2A-5	XC, EXC	'11-'12	-	YTZ5S-BS	YTX4L-BS	-	-
G3TR Series	'71	-	-	-	-	6N4-2A-3 TT	EXC-F	'11-'12	-	YTZ7S	YTX5L-BS	-	-
G4TR Series	'73-'75	-	-	-	-	6N4-2A-5	SX-F, EXC, EXC-F	'12-'15	-	YTZ5S-BS	YTX4L-BS	-	-
G4TR Series	'70-'72	-	-	-	-	6N2-2A-3	EXC-F, SX-F, XC	'16-'20	NOT AVAILABLE	-	-	-	-
G5 Series	'74-'75	-	-	-	-	6N4-2A-5	XC-F	'07-'11	-	YTZ7S*	YTX5L-BS	-	-
G5 Series	'72-'73	-	-	-	-	6N4-2A-3	XC-W	'08-'13	-	YTZ5S-BS*	YTX4L-BS	-	-
KE100-A	'79-'81	-	-	-	-	6N6-1D-2	XC-W	'14	-	YTZ7S*	YTX5L-BS	-	-
KE100-A	'76-'78	-	-	-	-	6N4-2A-5	XC-W, XCF-W	'15-'17	-	YTZ5S-BS*	YTX4L-BS	-	-
KE100-B	'82-'01	-	-	-	-	6N6-1D-2	XC-W	'18-'20	NOT AVAILABLE	-	-	-	-
KH100-B	'76-'77	-	-	-	-	6N4-2A-5	XCF-W	'06-'11	-	YTZ7S*	YTX5L-BS	-	-
KM100-A	'79-'81	-	-	-	-	6N6-1D-2	200 Duke	'13	-	-	YTX9-BS	-	-
KM100-A	'76-'78	-	-	-	-	6N4-2A-5	200 XC-W	'14	-	YTZ7S	YTX5L-BS	-	-
KV100-A	'76	-	-	-	-	6N4-2A-5	200 XC-W	'13, '15-'16	-	YTZ5S-BS	YTX4L-BS	-	-
90 G3SS Series	'73-'74	-	-	-	-	6N4-2A-5	150 XC-W	'20	NOT AVAILABLE	-	-	-	-
G3SS Series	'69-'72	-	-	-	-	6N4-2A-3 TT	125 Duke	'13	-	YTZ8V	YTX7L-BS	-	-
G3TR Series	'69-'70	-	-	-	-	6N4-2A-3 TT	-	-	-	-	-	-	-
MC1 Series	'73-'75	-	-	-	-	6N4-2A-5	-	-	-	-	-	-	-

KTM

1290 Super Duke R	'21- UP	-	YTZ14S	-	-
Super Duke, R, EVO	'14-'22	GYZ16H	YTZ14H-BS	YTZ14-BS	-
Super Duke GT	'17-'19	-	YTZ14S	-	-
Super Adventure	'14-'20	-	YTZ14S	-	-
1190 RC8	'09-'16	-	YTZ14S	-	-
Adventure	'13-'16	-	YTZ14S	-	-
1090 Adventure	'17-'19	-	YTZ14S	-	-
990 Super Duke	'03-'13	-	YTZ14S	-	-
Supermoto, SM R	'09-'13	-	YTZ14S	-	-
Adventure	'03-'13	-	YTZ14S	-	-
950 Superenduro	'09-'11	-	YTZ14S	-	-
890 Adventure	'21- UP	-	YTZ10S	-	-
Duke	'21- UP	-	YTZ10S	-	-
790 Adventure	'19-'20	-	YTZ10S	-	-
Duke	'19-'20	-	YTZ10S	-	-
690 Duke	'08-'12	-	YTZ10S	-	-

KYMCO

250 Venox250	'09-'10	-	YTX9-BS	-	-
MOTO GUZZI					
1400 AUDACE	'16-'18	GYZ20H	YTX20H-BS	YTX20-BS	-
1380 California	'13-'18	GYZ20H	YTX20H-BS	YTX20-BS	-
Eldorado	'16-'19	GYZ20H	YTX20H-BS	YTX20-BS	-
MGX-21 Flying Fortress	'16	GYZ20H	YTX20H-BS	YTX20-BS	-
1100 California (CA only)	'03-'05	-	-	YTX15L-BS	-
California, Special, Jackal, Breva, Griso	'05-'13	-	YTX20CH-BS	-	-
Stone, EV	'94-'05	GYZ32HL	YTX30L-BS	-	53030
Quota 1100 ES	'99-'02	-	-	YTX15L FA	-
Sport 1100i	'97-'99	-	-	YTX15L-BS	-
V11 Bassa	'99-'00	GYZ32HL	YTX30L-BS	-	53030
V11 EV	'98-'99	GYZ32HL	YTX30L-BS	-	53030
V11 Le Mans, Sport	'99-'05	-	-	YTX15L FA	-
1064 California Classic, Vintage	'12	GYZ20HL	YTX20HL-BS	YTX20L-BS	-

* See Battery Cross Reference Chart on page 17

† G3SS and G3TR models having the engine production #235611 and above, use a 6N4-2A-5 battery

FA Must use factory activated battery

MOTORCYCLE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
1000	California III	'89-'93	GYZ32HL	YIX30L-BS	-	53030	Quartz, Sacto, Sfera 50, Sfera 80,		-	-	-	-	-
	Convert		GYZ32HL	YIX30L-BS	-	53030	Skipper 125/150		-	-	-	YB4L-B	
	Daytona		GYZ32HL	YIX30L-BS	-	53030	Vespa 50 Estart		-	-	-	6N11A-1B (X2)	
	Le Mans		GYZ32HL	YIX30L-BS	-	53030	Vespa 125 Sprint		-	-	-	B39-6	
	Mille		GYZ32HL	YIX30L-BS	-	53030	Vespa 150 GL		-	-	-	B39-6	
	1000NT		GYZ32HL	YIX30L-BS	-	53030	Vespa PK 50 FL/FL2 (c(av))		-	-	-	YB7-A	
	Quota		GYZ32HL	YIX30L-BS	-	53030	Zip - Zip (Fast Rider)		-	-	-	YB4L-B	
	V10 Centuro Sport, GT	'99- End		-	YTX15L FA	-							
936	Bellagio	'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-							
853	V9 Bobber, Roamer	'16-'19	GYZ16H	YTX14H-BS*	YTX14-BS	-							
850	Le Man		GYZ32HL	YIX30L-BS	-	53030		ALL	All Models	GYZ32HL	-	YB30L-B	-
	T3, T4, T5		GYZ32HL	YIX30L-BS	-	53030							
750	Breva 750	'04-'10		-	YTX14AHL-BS	-							
V7	Classic	'08-'12		-	YTX14AHL-BS	-							
Nevada			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	Cobra 80		-	-	B39-6		
Nevada 750 Classic		'10		-	YTX14AHL-BS	-	Cobra GTL, Daytona N50, Monza		-	-	B39-6		
NTX			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	Lido SL50, Lido Vario		-	-	YB4L-B		
Strada			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	Monza GP, Monza GX, Monza X		-	-	B39-6		
V7			GYZ32HL	YIX30L-BS	-	53030							
V7, Racer, Scrambler, Stone, Special		'13-'20	GYZ16H	YTX14H-BS	YTX14-BS	-							
V7 Racer		'11-'12		-	YTX14AHL-BS	-							
V7 III Carbon Shine, Dark, Mila- no Rough		'18	GYZ16H	YTX14H-BS	YTX14-BS	-	650 Int 650, Continental GT 650	'19-'20	GYZ16H	YTX14H-BS	YTX14-BS	-	
V75			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	535 Continental GT 535	'14-'17	-	YTX14AHL-BS	-	-	
650 NTX			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	500 Classic 500, Bullet 500	'09-'20	-	YTX14AHL-BS	-	-	
V65			GYZ32HL	YIX30L-BS	-	53030	All Kick-start Models	'95-'99	-	-	-	YB7-A *	
V65 Florida			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	All Kick-start Models	'00-'03	-	-	-	YB5L-B *	
500 Falcone				-	-	-	All Electric Start Models	'00-'03	-	YTX14AHL-BS	-	SYB14L-A2†	
Falcone u.t.			GYZ20HL	YTX20HL-BS	YTX20L-BS	YB18L-A	411 Himalayan	'17-'20	-	YTX9-BS	-		
V50			GYZ32HL	YIX30L-BS	-	53030	350 All Kick-start Models	'95-'99	-	-	-	YB7-A *	
							All Kick-start Models	'00-'03	-	-	-	YB5L-B *	
							All Electric Start Models	'00-'03	-	YTX14AHL-BS	-	SYB14L-A2†	
MuZ													
660 Skorpion '95-'01	95-'01		-	-	-	-	1800 VZR1800 (M109R)	'06-'19	-	YTX20CH-BS	-	-	
125 All Models All Years	ALL		-	-	-	-	VLR1800 (C109R)	'08-'12	-	YTX20CH-BS	-	-	
MV AGUSTA													
1000 F4	'05-'16		-	YTZ10S	-	-	1600 Marauder, Boulevard M95	'04-'05	-	YTX20CH-BS	YTX16-BS	-	
Brutale 1078RR, 1090	'09-'16		-	YTZ10S	-	-	1500 VL1500 Intruder, Boulevard C90	'98-'11	-	YTX20CH-BS	YTX16-BS-1	-	
910 Brutale	'06-'09		-	YTZ10S	-	-	VL1500 Boulevard C90	'13-'19	-	YTX20CH-BS	YTX16-BS	-	
800 Brutale	'16		-	YTZ10S	-	-	VZ1500 Boulevard M90	'09-'19	-	YTX20CH-BS	-	-	
750 F4, Brutale	'00-'08		-	YTZ10S	-	-	1400 GV1400GC, D, T Cavalcade	'86-'88	-	YTX24HL-BS	-	SY50-N18L-AT	
675 F3, Brutale	'16		-	YTZ10S	-	-	VS1400GL Intruder, GLP, S83	'87-'11	-	-	YTX16-BS-1	-	
NORTON													
850 Commando, Commando (75)			-	YTX14AHL-BS	-	-	1300 GSX1300BK B-King	'08-'11	-	YTX12-BS	-		
750 Ranger Commando			-	-	-	-	GSX1300R Hayabusa	'99-'07	-	YT12A-BS	-		
350 Navigator			-	-	-	-	GSX1300RZ Hayabusa	'08-'20	-	YTX12-BS	-		
PIAGGIO													
APE CAR, MP, MPR, P602	GYZ32HL	YIX30L-BS	-	53030			1250 GSX1250S, A Bandit, FA	'07-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	
Ape 50 FL	'93		-	-	-	-	1200 GSF1200, S Bandit	'97-'05	-	-	YTX12-BS	-	
Boxer, Bravo, Ciao			-	-	-	-	GV1200GL Madura	'85-'86	-	YTX14AHL-BS	-	YB14L-B2	
Cosa 2			-	-	-	-	1150 GS1150E, S	'83-'86	-	YTX14AHL-BS	-	YB14L-B2	
Cosa CLX 125 (c/avv.)			-	-	-	-	1100 GSX1100S Katana	'81-'01	-	YTX14H-BS	-	SYB14L-A2†	
Cosa CLX 150 (c/avv.)			-	-	-	-	GS1100E, S	'80-'83	-	YTX14AHL-BS	-	SYB14L-A2†	
Cosa CLX 200 (c/avv.)			-	-	-	-	GS1100G, K, L, Katana	'82-'84	-	YTX14H-BS	-	SYB14L-A2†	
Free			-	-	-	-	GSX-R1100	'86-'92	-	YTX14AHL-BS	-	SYB14L-A2†	
Hexagon 125/150			-	-	-	-	GSX-R1100 W	'93-'98	-	YTX12-BS	-		
NRG 50			-	-	-	-	GSX1100F Katana	'88-'93	-	YTX14AHL-BS	-	YB14L-B2	
P125ETES, P125TS			-	-	-	-	GSX1100G	'91-'93	GYZ16H	YTX14H-BS	YTX14-BS	-	
P200E (c/avv.)			-	-	-	-	1000 DL1000 V-Strom, Adventure	'02-'16	GYZ16H	YTX14H-BS	YTX14-BS	-	
PK50, PK50-C.A., PK50N, PK50XL			-	-	-	-	DL1000AL8, AL9	'18-'19	-	YTX14S	-	-	
PK80S-C.A.			-	-	-	-	GS1000	'78-'82	-	YTX14AHL-BS	-	SYB14L-A2†	
PK125FL, PK125SS, PK125XL			-	-	-	-	GSX-R1000, Z, AL8	'17-'18	-	-	YTX12-BS	-	
PX125			-	-	-	-	GSX-R1000R, Z, AL8	'17-'18	-	YTX14AHL-BS	-	SYB14L-A2†	
PX125+80E			-	-	-	-	GSX-S1000, A, FFA	'16-'20	-	-	YTX12-BS	-	
PX125+80E-AREC			-	-	-	-	SV1000, S	'03-'07	GYZ16H	YTX14H	YTX14-BS	-	
PX125-80E-ARC			-	-	-	-	TL1000R	'98-'03	-	-	YTX12A-BS	-	
PX125T5			-	-	-	-	TL1000S	'97-'01	-	-	YTX12-BS	-	
PX150E			-	-	-	-	900 RF900, R, S, ZS	'94-'97	-	-	YTX9-BS	-	
PX150E-ARC			-	-	-	-	850 GS850G, GL	'79-'83	-	YTX14AHL-BS	-	YB14L-A2	
PX200-ARC			-	-	-	-	800 VL800 Intruder Volusia, Boulevard C50, T, M50	'01-'19	-	-	YTX12-BS	-	
PX200E-ARC			-	-	-	-	VS800 GL, S Intruder, Boulevard S50	'92-'12	-	-	YB16B-A1°	-	
PX200GS			-	-	-	-	VX800	'90-'93	-	-	YB16B-A	-	
			-	-	-	-	VZ800 Marauder, Boulevard	'97-'08	-	-	YTX12-BS	-	
			-	-	-	-	750 GS750, Katana	'77-'83	-	YTX14AHL-BS	-	SYB14L-A2†	
			-	-	-	-	GSX750F Katana	'98-'06	-	-	YTX9-BS	-	

* See Battery Cross Reference Chart on page 17

(X2) Order two batteries

† This battery includes a sensor

Top and front terminal mounts only and eliminates need for sensor (needs to be disabled)

FA Must use factory activated battery

MOTORCYCLE APPLICATIONS

MOTORCYCLE

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
	GSX750F Katana	'89-'97	-	YTX14AHL-BS	-	YB14L-B2		Scrambler TC250	'69	-	-	-	YB5L-B *
	GSX-R750	'00-'19	-	-	YT12A-BS	-		T250, T250-II, T250J, T250R	'72	-	-	-	YB5L-B *
	GSX-R750	'96-'99	-	-	YTX9-BS	-		TS250 Savage	'73-'81	-	-	-	6N4B-2A
	GSX-R750	'86-'92	-	YTX14AHL-BS	-	SYB14L-A2 *		TS250 Savage	'69-'72	-	-	-	6N2-2A-4
	GSXR750W	'94-'95	-	-	YTX9-BS	-		TU250X	'09-'19	-	YTZ8V	YT7L-BS	-
	GSXR750W	'93	-	-	YTX12-BS	-	200	DR200SE	'96-'13	-	YTZ8V	YT7L-BS	-
	GSX-S750	'15-'19	-	-	YT12A-BS	-		DR200S	'15-'19	-	YTZ8V	YT7L-BS	-
	GT750 LeMans	'72-'77	-	YTX14AHL-BS	-	SYB14L-A2 *		SP200	'86-'88	-	-	-	YB4L-B
	VS750GLP Intruder	'88-'91	-	-	-	YB16B-A1 *		T200, TC200	-	-	-	-	YB5L-B *
700	G700E, G700ES	'85	-	YTX14AHL-BS	-	SYB14L-A2 *		RV200 (VanVan200)	'17-'19	-	YTZ8V	-	-
	GV700GL Madura	'85	-	YTX14AHL-BS	-	YB14L-B2	185	GT185 Adventurer	'73-'77	-	-	-	12N11-3A-1
	VS700GL Intruder	'85-'87	-	-	-	YB16B-A1 *		TC185 Ranger	'74-'77	-	-	-	12N11-3A-1
650	DL650 V-Strom ABS, Adventure	'04-'22	-	-	YTX12-BS	-		TS185 Sierra	'77-'81	-	-	-	6N4B-2A
	DR650S ER, ES	'94-'95	-	-	YT12-BS	-		TS185 Sierra	'71-'76	-	-	-	6N4-2A
	DR650S N, P	'92-'93	-	-	YTX4L-BS	-	125	DR125, SE, SES	'94-'96	-	YTZ8V	YT7L-BS	-
	DR650S	'90-'91	-	-	-	YB5L-B *		GN125, E	'91-'96	-	-	-	YB7-A *
	DR650SE	'98-'19	-	-	YTX9-BS	-		GN125, E	'82-'83	-	-	-	YB7-A *
	DR650SE (CN)	'96-'97	-	-	YTX9-BS	-		RV125 SE, R	'94	-	YTZ8V	YT7L-BS	-
	DR650SE	'96-'97	-	-	-	YB10L-B2		RV125 Tracker	'73-'77	-	-	-	6N4-2A
	GR650 Tempter, X	'83	-	YTX14AHL-BS	-	SYB14L-A2 *		SP125	'86-'88	-	-	-	6N4-2A
	GSE650E	'81-'82	-	-	-	YB10L-B2		SP125	'82-'83	-	-	-	6N4B-2A
	GSE650 (All)	'81-'83	-	YTX14AHL-BS	-	SYB14L-A2 *		TC125 Prospector	'73-'77	-	-	-	6N4B-2A
	GSX650F	'08-'11	-	-	YTX9-BS	-		TS125 Duster	'71-'81	-	-	-	6N4B-2A
	LS650 Savage, S40	'86-'19	-	YTX14AHL-BS	-	YB14L-B2	120	B120P	-	-	-	-	6N4-2A
	SV650	'99-'02	-	-	YT12A-BS	-		TC120, TC120-II, TC120R	'71	-	-	-	6N4B-2A
	SV650A, SA	'03-'10	-	-	YT12A-BS	-	105	B105P	-	-	-	-	6N4-2A
	SV650, S	'03-'13	-	-	YTX12-BS	-		100 A100 Go-fer	'76-'77	-	-	-	6N4-2A
	SV650	'17-'19	-	-	YT12A-BS	-		A100 Go-fer	'69	-	-	-	6N4-2A
	SFV650 Gladius	'09-'15	-	-	YT12A-BS	-		B100P	-	-	-	-	6N4-2A
	XN85 Turbo	'83	-	YTX14AHL-BS	-	SYB14L-A2 *		SP100	'83	-	-	-	6N4B-2A
600	GSF600S Bandit	'96-'03	-	-	YTX9-BS	-		Scrambler AC100	'69	-	-	-	6N4-2A
	GSX-R600	'97-'19	-	-	YTX9-BS	-		Sport AS100	'69	-	-	-	6N4-2A
	GSX-R600W	'92-'93	-	-	YTX9-BS	-		TC100 Blazer	'73-'77	-	-	-	6N4-2A
	GSX600F Katana	'98-'06	-	-	YTX9-BS	-		TS100 Honcho	'78-'81	-	-	-	6N4B-2A
	GSX600F Katana	'88-'97	-	-	YTX9-BS	-		TS100 Honcho	'73-'77	-	-	-	6N4-2A
	SP600	'85	-	-	-	YB5L-B *	90	RV90 Rover	'73-'77	-	-	-	6N4B-2A
	RF600R, S	'94-'96	-	-	YTX9-BS	-		RV90 Rover	'72	-	-	-	6N2-2A-4
550	GS550E, L, M, TX	'77-'82	-	-	-	YB10L-A2		TC90	-	-	-	-	6N4-2A
	GS550E, ES, L	'83-'86	-	-	-	YB10L-B		TC90J, TC90R	-	-	-	-	6N2-2A-4
	GT550 Indy	'72-'77	-	-	-	YB9L-A2		Model K10, Model K10P	'68	-	-	-	6N4-2A
500	GS500, F	'01-'11	-	-	-	YB10L-B2	80	Sport 80 (Models K11 & K11P)	'68	-	-	-	6N4-2A
	GS500E	'89-'00	-	-	-	YB10L-B2		Trail 80 (Models K15 & K15P)	'68	-	-	-	6N4-2A
	GT500 Titan	'76-'77	-	-	-	YB7-A *	75	TS75 Colt	'75-'77	-	-	-	6N4-2A
	SP500	'81-'83	-	-	-	6N4B-2A	70	DR-Z70	'08-'09	-	YT4B-BS	-	-
	T500 Titan	'68-'75	-	-	-	YB7-A *		DR-Z70	'15-'17	-	YT4B-BS	-	-
450	GS450	'83-'88	-	-	-	YB12B-B2	55	Model 31	'68	-	-	-	6N2-2A-4
	GS450	'80-'82	-	-	-	YB10L-A2	50	AC50, AS50	'71	-	-	-	6N4-2A
425	GS425, GS425E, L	'79	-	-	-	YB10L-A2		DR-Z50	'19	-	YT4B-BS	-	-
400	DR-Z400, E, S, SM	'00-'22	-	-	YT7B-BS	-		OR50	'79-'80	-	-	-	6N4B-2A
	GN400T, X	'80-'82	-	-	-	6N4B-2A		Sport 50 (Model M12)	'68	-	-	-	6N4-2A
	GS400	'77-'78	-	-	-	YB10L-A2		TS50	'74	-	-	-	6N4-2A
	GS400X	'77-'78	-	-	-	YB7-A *							
	GSF400 Bandit	'91-'93	-	-	YTX9-BS	-							
	SP400	'80	-	-	-	6N4B-2A							
	TS400 Apache	'76-'77	-	-	-	6N4B-2A							
	TS400 Apache	'72-'75	-	-	-	YB5L-B *							
380	GT380 Sebring	'72-'77	-	-	-	YB7-A *							
370	SP370	'78-'79	-	-	-	6N4B-2A							
350	DR350S	'90-'96	-	YTZ5S-BS	YTX4L-BS	-							
	DR350SE	'94-'99	-	YTZ8V	YT7L-BS	-							
	T350 Series	'79	-	-	-	YB5L-B *							
305	Scramble TC305	'69	-	-	-	YB5L-B *							
	T305	'69	-	-	-	YB5L-B *							
300	GS300L	'82-'85	-	-	-	YB12B-B2							
250	DR250S	'90-'92	-	YTZ5S-BS	YTX4L-BS	-							
	DR250S EP, ER, ES	'93-'95	-	YTZ8V	YT7L-BS	-							
	DR-Z250	'01-'07	-	YTZ7S	YT5L-BS	-							
	GN250	'82-'88	-	-	-	YB10L-A2							
	GS250T	'80-'81	-	-	-	YB10L-A2							
	GSX250RL8, RL9	'18-'19	-	-	YTX9-BS	-							
	GT250 Hustler	'73-'77	-	-	-	YB5L-B *							
	GW250	'13-'17	-	-	YTX9-BS	-							
	GZ250	'99-'12	-	YTZ8V	YT7L-BS	-							
	Model T20	'69	-	-	-	YB5L-B *							
	SP250	'82-'85	-	-	-	6N4B-2A							

TRIUMPH

2300	Rocket III	'03-'18	GYZ20HL	YTX20L-BS	-
	Rocket 3	'19-'21	-	YTX20CH-BS	-
1600	Thunderbird	'09-'18	GYZ20HL	YTX20L-BS	-
1215	Tiger Explorer	'12-'21	GYZ20HL	YTX20L-BS	-
	Trophy	'12-'17	GYZ20HL	YTX20L-BS	-
1200	Trophy	'00-'04	GYZ16H	YTX14H-BS	YTX14-BS
	All Other Models	'91-'99	-	YTX14H-BS	YB14L-A2
	Bonneville	'17-'20	-	YTX9-BS	-
	Thruxton R	'16-'20	GYZ16H	YTX14H-BS	YTX14-BS
	Thruxton RS	'20-'21	-	YTZ10S	-
	Thruxton TFC	'19-'20	GYZ16H	YTX14H-BS	YTX14-BS
1050	Speed Triple, R	'05-'10	-	YTX12-BS	-
	Speed Triple, R	'11-'18	YTX14H-BS	YTX14-BS	-
	Sprint ST	'05-'10	-	YTX12-BS	-
	Sprint GT	'11-'18	GYZ16H	YTX14H-BS	YTX14-BS
	Tiger	'07-'12	-	YT12B-BS	-
	Tiger	'13-'18	GYZ16H	YTX14H-BS	YTX14-BS
1000	Daytona	'92-'93	-	YTX14AHL-BS	-
955	Daytona 955i, Speed Triple, Sprint ST	'99-'04	GYZ16H	YTX14H-BS	YTX14-BS
	Sprint RS	'00-'04	GYZ16H	YTX14H-BS	YTX14-BS
	Tiger	'01-'07	GYZ16H	YTX14H-BS	YTX14-BS

* See Battery Cross Reference Chart on page 17
Includes terminal adaptor for converting to side mount

† This battery includes a sensor

MOTORCYCLE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
All Other Models	'96-'97	-	YTX14AHL-BS	-	-	XJ1100 Maxim	'82	-	YTX24HL-BS	-	SY50-N18L-AT		
900 Scrambler, Bonneville	'06-'07	-	-	YTX12-BS	-	XS1100 (All)	'78-'81	-	YTX24HL-BS	-	Y50-N18L-A-CX		
T90		-	-	-	6N11A-1B	XV1100 Virago (All)	'86-'99	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Tiger	'99-'01	GYZ16H	YTX14H-BS	YTX14-BS	-	X/S1100 V-Star (All)	'99-'10	-	-	YT14B-BS	-		
Thunderbird	'02-'03	-	YTX14AHL-BS	-	-	1000 FZR1000	'91-'95	GYZ16H	YTX14H	YTX14-BS	-		
All Other Models	'91-'01	-	YTX14AHL-BS	-	-	FZR1000	'87-'90	-	YTX14AHL-BS	-	SYB14L-A2 [†]		
865 America	'01-'13	-	-	YT12B-BS	-	FZS1000 FZ1	'06-'15	-	YTZ14S	-	-		
Bonneville, T100, SE	'05-'07	-	-	YTX12-BS	-	FZS1000 FZ1	'01-'05	-	-	YT14B-BS	-		
Bonneville, T100, SE, FL	'08-'10	-	-	YT12B-BS	-	GTS1000	'93-'94	GYZ16H	YTX14H	YTX14-BS	-		
Bonneville, T100, SE, FL	'11-'18	-	-	YTX12-BS	-	XV1000 Virago	'84-'85	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Scrambler	'05-'07	-	-	YT12B-BS	-	YZF-R1	'98-'03	-	-	YT12B-BS	-		
Scrambler	'08-'10	-	-	YT12B-BS	-	YZF-R1, M	'04-'14	-	YTZ10S	-	-		
Scrambler	'11-'16	-	-	YT12B-BS	-	YZF-R1, M, S	'15-'22	-	YTZ7S	-	-		
Speedmaster	'03-'15	-	-	YT12B-BS	-	YZF1000R	'97-'98	GYZ16H	YTX14H	YTX14-BS	-		
Thruxton	'03-'16	-	-	YT12B-BS	-	FZ-10	'17	-	YTZ10S	-	-		
800 Bonneville	'01-'05	-	-	YT12B-BS	-	MT-10	'18-'22	-	YTZ10S	-	-		
Speedmaster	'03-'05	-	-	YT12B-BS	-	950 XV95CTY V Star 950, Tourer	'09-'17	-	YTZ14S	-	-		
Tiger 800	'11-'17	GYZ16H	YTX14H-BS	YTX14-BS	-	XVS95CC Copycat	'09-'16	-	YTZ14S	-	-		
750 Bonneville, Tiger		-	-	-	YB9-B [†]	Bolt, Bolt R-SPEC	'14-'22	-	YTZ14S	-	-		
T150 Trident		-	YTX14AHL-BS	-	YB14L-A2	SCR950	'17	-	YTZ14S	-	-		
All Other Models	'93-'97	-	YTX14AHL-BS	-	-	920 XV920 Virago	'82	-	YTX24HL-BS	-	SY50-N18L-AT		
675 Daytona 675, R	'06-'10	-	-	YT7B-BS	-	XV920M Midnight Virago	'83	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Daytona 675, R	'11-'20	-	-	YT9X-BS	-	XV920R Virago	'81-'83	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Street Triple, R	'08-'20	-	-	YT9X-BS	-	900 XJ900R Seca	'83	-	YTX14AHL-BS	-	SYB14L-A2 [†]		
650 T120 Bonneville		-	-	-	YB7L-B [†]	XSR900	'16-'21	-	YTZ10S	-	-		
600 600 (12V)		-	-	-	B39-6 (X2)	MT09	'18-'22	-	YTZ10S	-	-		
6T, T20B		-	-	-	6N11A-1B	MXT9 Niken	'19-'20	-	YTZ10S	-	-		
Daytona 600/650, Speed Four	'02-'05	-	-	YT9X-BS	-	Tracer	'19-'22	-	YTZ10S	-	-		
TT600	'00-'03	-	-	YTX12-BS	-	850 TDM850	'92-'93	-	-	YTX12-BS	-		
500 500 (12V)		Not available	-	-	-	TRX850	'95-'99	-	-	YTX12-BS	-		
5TA, TR5A/R		-	-	-	6N11A-1B	XS850 (All)	'80-'81	-	YTX14AHL-BS	-	SYB14L-A2 [†]		
350 350 (6V)		-	-	-	6N11A-1B	FZ-09	'14-'17	-	YTZ10S	-	-		
350 (12V)		Not available	-	-	-	FJ-09	'15-'17	-	YTZ10S	-	-		
350 3TA, Twenty One		-	-	-	B38-6A	XSR900	'16-'17	-	YTZ10S	-	-		
250 Tigress (6V)		-	-	-	6N11A-1B	800 FZ8	'11-'13	-	YTZ10S	-	-		
Tigress (12V)		-	-	-	6N11A-1B (X2)	750 FZ750, FZR750	'85-'88	-	YTX14AHL-BS	-	SYB14L-A2 [†]		
200 Tiger		-	-	-	6N11A-1B	TX750	'73-'74	GYZ20HL	YTX20HL-BS	YTX20L-BS	YB16L-B		
183 Tigress		-	-	-	6N11A-1B	XJ750 Maxim	'82-'83	-	-	-	SYB14L-A2 [†]		
URAL													
ALL		YTX20HL-BS	YTX20L-BS	-									
VICTORY													
1731 (106) All Models	'08-'17	-	YTX20HL-BS	YTX20L-BS	-								
1634 Vegas, Kingpin, Hammer(-08)	'06-'10	-	YTX20HL-BS	YTX20L-BS	-								
1507 Vegas, Kingpin, Hammer	'03-'05 (92)	-	YTX20HL-BS	YTX20L-BS	-								
V92TC Touring Cruiser	'02-'06	-	YTX20HL-BS	YTX20L-BS	-								
V92SC Sport Cruiser	'00-'01	-	YTX20HL-BS	YTX20L-BS	-								
V92C, DC Classic, Deluxe Cruiser	'98-'04	-	YTX20HL-BS	YTX20L-BS	-								
1200 OCTANE	'16-'17 (73)	-	YTX14AH-BS	-	-								
YAMAHA													
1854 Roadliner, Stratoliner	'06-'14	-	-	YT14B-BS	-								
Raider, Raider S	'08-'17	-	-	YT14B-BS	-								
Star Eluder, (XV19BJ)	'18	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
Star Venture, (XV19)	'18-'21	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
1700 VMAX	'09-'20	-	YTZ14S	-	-								
XV17AT Road Star, Silverado	'04-'07	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
XV17P Road Star, Warrior	'02-'08	-	-	YT14B-BS	-								
XV17AT Road Star, Silverado	'08-'14	-	-	YT14B-BS	-								
1600 XV1600 Road Star	'99-'03	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
1300 FJR1300, A, ES	'03-'22	-	-	YT14B-BS	-								
XVZ13 Royal Star/Venture (All)	'96-'12	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
XVZ13 Venture/Royale	'86-'93	-	YTX24HL-BS	-	SY50-N18L-AT								
XVS13AY Star 1300, Stryker	'09-'17	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
V Star 1300 Tourer	'13-'17	GYZ20H	YTX20HL-BS	YTX20L-BS	-								
1200 FJ1200 (All)	'91-'93	GYZ16H	YTX14H-BS	YTX14-BS	-								
FJ1200	'86-'90	-	YTX14AHL-BS	-	SYB14L-A2 [†]								
VMX12 V-Max	'85-'07	-	-	-	YB16AL-A2								
XT1200Z Super Tenere	'12-'22	-	YTZ12S	-	-								
XVZ12 Venture/Royale	'83-'85	-	YTX24HL-BS	-	SY50-N18L-AT								
1100 FJ1100	'84-'85	-	YTX14AHL-BS	-	SYB14L-A2 [†]								

* See Battery Cross Reference Chart on page 17

■ Top and front terminal mounts only

(X2) Order two batteries

† This battery includes a sensor

Top and front terminal mounts only and eliminates need for sensor (needs to be disabled)

UTV (SIDE-BY-SIDES) APPLICATIONS

MOTORCYCLE

UTV

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
XZ550R Vision	'82-'83	-	YTX14AHL-BS	-	SYB14L-A2 †	XT225 Serow	'92-'00	-	YTZ8V	YTX7L-BS	-	-	-
535 XV535 Virago	'87-'99	-	-	-	YB12AL-A2	200 BV200E Big Wheel (Electric Start)	'86-'88	-	-	-	-	YB7C-A	
500 SR500	'78-'99	-	-	-	YB7L-B	CS3B, CS3C	'70-'71	-	-	-	-	YB9L-A2	
TX500	'73-'74	-	YTX14AHL-BS	-	SYB14L-A2 †	CS5	'72	-	-	-	-	YB9L-A2	
XS500	'75-'78	-	YTX14AHL-BS	-	SYB14L-A2 †	RD200	'74-'76	-	-	-	-	YB9L-A2	
XT500	'76-'81	-	-	-	6N6-3B-1	TW200	'87-'22	-	-	-	-	YB7C-A	
XV500 Virago	'83	-	-	-	YB12A-A *	XT200	'82-'83	-	-	-	-	6N4A-4D	
450 WR450F	'03-'22	-	YTZ7S	-	-	YCS1	'68	-	-	-	-	YB9L-A2	
YZ450FX	'16-'18	-	YTZ7S	-	-	185 SR185 Exciter	'81-'82	-	-	-	-	YB7L-B	
YZ450FX	'19-'21	Not Available	-	-	-	175 CT1, CT1B, CT1C 175 Enduro	'69-'71	-	-	-	-	6N2-2A-3	
400 DT400 Enduro	'77-'78	-	-	-	6N6-3B-1	CT2, CT3 175 Enduro	'72-'73	-	-	-	-	6N4A-4D	
DT400 Enduro	'75-'76	-	-	-	6N4B-2A-3	DT175 Enduro	'78-'81	-	-	-	-	6N6-3B-1	
FZR400 (All)	'88-'90	-	-	-	YB12AL-A2	DT175 Enduro	'74-'76	-	-	-	-	6N4B-2A-3	
RD400	'76-'79	-	-	-	12N5.5A-3B	125 AS2C	'69	-	-	-	-	12N5.5-3B	
XS400 (All)	'80-'83	-	-	-	YB12A-A *	AT1E, AT1B, AT1C 125 Enduro	'69-'71	-	-	-	-	YB7L-B *	
SR400	'78-'00	-	-	-	YB7L-B *	AT2, AT3 125 Enduro	'72-'73	-	-	-	-	YB7L-B *	
SR400	'15-'17	-	YT4B-BS	-	-	DT125 Enduro	'74-'81	-	-	-	-	YB7L-B *	
360 DT360 Enduro	'74	-	-	-	6N4B-2A-3	RD125	'75-'76	-	-	-	-	12N5.5A-3B	
RT1, RT1B 360 Enduro	'70-'71	-	-	-	6N2-2A-3	TTR125E/LE Electric Start	'03-'22	-	YTZ5S-BS	YTX4L-BS	-	-	
RT2, RT3 360 Enduro	'72-'73	-	-	-	6N4-2A-5	XT125	'82-'83	-	-	-	-	6N4A-4D	
XS360	'76-'78	-	-	-	YB12A-A	YA6	'64-'66	-	-	-	-	YB10L-B	
XS360-2	'77	-	-	-	YB7L-B *	YAS1/C	'68	-	-	-	-	12N5.5-3B	
350 BW350 Big Wheel	'87-'88	-	-	-	YB12B-B2	110 TTR110E Electric Start	'08-'22	-	-	-	-	YT4B-BS	
R3	'69	-	-	-	YB5L-B *	100 DT100 Enduro	'77-'83	-	-	-	-	6N4-2A-5	
R5, R5B, R5C	'70-'72	-	-	-	12N5.5A-3B	DT100 Enduro	'74-'76	-	-	-	-	6N4B-2A-3	
RD350	'73-'75	-	-	-	12N5.5A-3B	L5T, L5TA	'69-'70	-	-	-	-	YB7L-B *	
RZ350	'84-'85	-	-	-	12N5.5-3B	LS2	'72	-	-	-	-	12N5.5A-3B	
XT350	'85-'00	-	-	-	YB3L-B	LT2, LT3 100 Enduro	'72-'73	-	-	-	-	6N4A-4D	
YR2/C	'68	-	-	-	12N5.5-3B	RS100	'75-'76	-	-	-	-	6N4A-4D	
321 YZF-R3	'15-'22	-	YTZ8V	-	-	YL2/CM	'68	-	-	-	-	YB7L-B *	
300 MT03	'20-'22	-	YTZ8V	-	-	90 HS1, HS1B	'70-'71	-	-	-	-	12N5.5-3B	
250 DS6B, DS6C	'69-'70	-	-	-	YB5L-B *	HT1, HT1B 90 Enduro	'70-'71	-	-	-	-	6N2-2A-3	
DS7	'72	-	-	-	12N5.5A-3B	TTR90E Electric Start	'03-'07	-	-	-	-	YT4B-BS	
DT1 250 Enduro	'68	-	-	-	6N2-2A-3	80 DT80 Mini Enduro	'81-'83	-	-	-	-	6N4-2A-5	
DT1B, DT1C, DT1E 250 Enduro	'69-'71	-	-	-	6N2-2A-3	G6S, G6SB	'70-'71	-	-	-	-	6N4A-4D	
DT2 250 Enduro	'72	-	-	-	6N4-2A-5	G7S	'72	-	-	-	-	6N4A-4D	
DT250 Enduro	'77-'79	-	-	-	6N6-3B-1	GT1 Mini Enduro	'73	-	-	-	-	6N4-2A-5	
DT250 Enduro	'74-'76	-	-	-	6N4B-2A-3	GT80 Miri Enduro	'74-'80	-	-	-	-	6N4-2A-5	
DT3 250 Enduro	'73	-	-	-	6N4-2A-5	LB80 Chappy	'76-'78	-	-	-	-	6N4-2A-5	
RD250	'73-'75	-	-	-	12N5.5A-3B	YG1	'62-'66	-	-	-	-	6N4A-4D	
SR250 Exciter	'80-'82	-	-	-	YB12A-A *	YG5T, YG5S	'68-'69	-	-	-	-	YB7L-B *	
SRX250	'87	-	-	-	YB12A-A *	60 JT2 Mini Enduro	'72	-	-	-	-	6N2-2A-3	
TTR250	'99-'06	-	-	YT7B-BS	-	RD60	'73-'75	-	-	-	-	6N4A-4D	
WR250F	'03-'07	-	YTZ7S	YTX5L-BS	-	50 DT50 Enduro	'88-'90	-	-	-	-	6N4B-2A-3	
WR250F	'08-'22	-	YTZ7S	-	-	LB50P Chappy	'78-'82	-	-	-	-	6N4-2A-5	
WR250R, X, RL	'08-'20	-	YTZ7S	-	-	LC50 Champ	'80-'81	-	-	-	-	6N4-2A-5	
XT250	'08-'22	-	YTZ7S	-	-	MJ50 Towny	'82	-	-	-	-	6N4-2A-5	
XT250	'84	-	-	-	YB3L-B	QT50 Yamahopper	'79-'87	-	-	-	-	6N4-2A-5	
XT250	'80-'83	-	-	-	6N6-3B-1	RX50 Special	'83-'84	-	-	-	-	6N4-2A-5	
XV250, Route 66, Virago, V Star	'88-'22	-	-	YB10L-A2 *	-	TTR50E	'06-'22	-	-	YT4B-BS	-	-	
YZ250FX	'15-'18	-	YTZ7S	YTX5L-BS	-	YSR50	'87-'92	-	-	-	-	6N4-2A-5	
YZ250F, FX	'19-'21	Not Available	-	-	-	-	-	-	-	-	-	-	
230 TTR230	'05-'22	-	YTZ7S	YTX5L-BS	-	-	-	-	-	-	-	-	
225 TTR225	'99-'05	-	-	-	YB7B-B	-	-	-	-	-	-	-	
XT225	'01-'07	-	YTZ7S	YTX5L-BS	-	-	-	-	-	-	-	-	

* See Battery Cross Reference Chart on page 17

UTV (SIDE-BY-SIDES) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
ARCTIC CAT													
1000 Prowler 1000	'09-'17	GYZ32HL	YIX30L-BS	-	YB30L-B	Prowler 550	'10-'15	GYZ32HL	YIX30L-BS	-	-	YB30L-B	
Wildcat 1000, X, 4, LTD, XX	'12-'22	GYZ32HL	YIX30L-BS	-	-	500 Prowler 500	'17-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	
812 Prowler Pro XT, Crew	'19-'22	GYZ32HL	YIX30L-BS	-	-	Prowler HDX500, HDX XT	'14-'17	GYZ32HL	YIX30L-BS	-	-	YB30L-B	
700 Prowler 700	'09	-	YTX24HL-BS	-	-	BRP (Can-Am)							
Prowler 700	'10-'17	GYZ32HL	YIX30L-BS	-	YB30L-B	1000 Commander	'11-'22	GYZ20HL	YTX20HL FA	YTX20L FA	-	-	
Prowler 700 HDX, HDX XT	'11-'17	GYZ32HL	YIX30L-BS	-	YB30L-B	Defender, DPS	'16-'21	GYZ20HL	YTX20HL FA	YTX20L FA	-	-	
Wildcat Sport, Trail	'15-'19	GYZ32HL	YIX30L-BS	-	-	Defender XT, MAX, XMR, CAB	'16-'22	YIX30L	-	-	-	-	
650 Prowler 650	'06-'09	-	YTX24HL-BS	-	Y50-N18L-A-CX	Maverick	'13-'22	GYZ20HL	YTX20HL FA	YTX20L FA	-	-	
Prowler 550	'09	-	YTX24HL-BS	-	-	Traxter	'17-'22	GYZ32HL	YIX30L	-	-	-	

* Top and front terminal mounts only

† See Battery Cross Reference Chart on page 17

† This battery includes a sensor

SCOOTER APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
900	Defender	'22	-	YX30L-BS	-	-							
	Traxter HD9	'22	-	YTX20HL FA	YTX20L FA	-							
800	Commander	'11-'21	GYZ20HL	YTX20HL FA	YTX20L FA	-							
	Defender, DPS, Base, STD	'16-'21	GYZ20HL	YTX20HL FA	YTX20L FA	-							
	Defender XT,CAB,MOS	'16-'21	GYZ32HL	YX30L	-	-							
	Maverick	'18-'21	GYZ20HL	YTX20HL-BS	YTX20L-BS	-							
	Traxter DPS, Base, STD	'16-'21	GYZ20HL	YTX20HL-BS	YTX20L-BS	-							
	Traxter Pro, XT	'17-'21	GYZ32HL	YX30L-BS	-	-							
700	Commander	'22	GYZ20HL	YTX20HL	-	-							
	Defender HD7	'22	-	YTX20HL	-	-							
	Traxter HD7	'22	-	YTX20HL	-	-							
427	Traxter, Defender	'17-'21	GYZ20HL	YTX20HL-BS	YTX20L-BS	-							
KYMCO							700	UXV700	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
							500	UXV500	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
							450	UXV450	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
POLARIS													
2.0L RZR Pro R							'22	GYZ32HL	YX30L	-	-	-	-
1000 RZR XP1000, XP 4, Turbo 4, Turbo S, Tractor							'14-'22			YBX9140R	-	-	-
RZR Pro XP							'22	GYZ32HL	YX30L				
RZR RS1 Turbo Pro							'18-'22			YX30L			

CF MOTO

All All Models All GYZ32HL YIX30L-BS - -

HONDA

1000	Pioneer 1000	'16-'21	GYZ16H	-	-	-
	Talon	'19-'22	GYZ20HA			
700	MUV700 Big Red	'08-'13	GYZ16H	YTX14H-BS	YTX14-BS	-
520	Pioneer 700	'14-'20	GYZ16H	YTX14H-BS	YTX14-BS	-
	Pioneer 520	'21-'22	GYZ16H	YTX14H-BS	YTX14-BS	-
500	Pioneer 500	'15-'18	GYZ16H	-	-	-
	Pioneer 500	'19-'22	GYZ16H	YTX14H-BS	YTX14-BS	

KAWASAKI

KAWASAKI					
1000	Mule Pro DX, DXT	'21-'22	-	YBX9140R	-
	Teryx KRX1000	'21-'22	-	YBX9140R	-
990	Mule Pro DXT, DX	'16-'18	Not available	-	-
950	KAF950, Mule 2510, 3010 Diesel	'10	Not available	-	-
	Mule 4010 Diesel	'11-'13	Not available	-	-
820	Mule Pro FXT, FX	'15-'22	-	YBX9140R	-
800	Teryx All Models (US)	'14-'22	Not available	-	-
	Teryx All Models (CN)	'14-'20	GYZ20HL	YTX20HL-BS	YTX20L-BS
750	Teryx All Models (US)	'08-'13	Not available	-	-
	Teryx All Models (CN)	'08-'13	GYZ16H	-	KMX14-BS K
700	Mule Pro MX	'19-'22	Not available	-	-
620	KAF620, Mule 3010 4x4, Advantage Classic	'03-'07	GYZ20HL	YTX20HL-BS	YTX20L-BS
	KAF620, Mule 2500, 2510, 2520		-	YTX20HL-PW	-
	KAF620, Mule 3000, 3010, 3020		GYZ20HL	YTX20HL-BS	YTX20L-BS
	Mule 4000	'09-'20	Not available	-	-
	KAF620F, Mule 4010 4x4 (US)	'09-'17	Not available	-	-
	KAF620F, Mule 4010 4x4 (CN)	'09-'20	GYZ20HL	YTX20HL-BS	YTX20L-BS
	Mule 4010 Trans4x4, Diesel, Mule 4000	'09-'17	Not available	-	-
540	KAF540, Mule 2010, 2020, 2030		-	YTX20HL-PW	-
450	KAF450, Mule 1000		-	YTX20HL-PW	-
400	Mule 600, 610, 610XC	'05-'16	-	YTX14AH-BS	-
	Mule SX	'17-'22	-	YTX14AH-BS	-
300	KAF300, Mule 500, 520, 550		-	YTX14AH-BS	-

KYMCO

700	UXV700	'17	GY220HL	YTX20HL-BS	YTX20L-BS	-
500	UXV500	'17	GY220HL	YTX20HL-BS	YTX20L-BS	-
450	UXV450	'17	GY220HL	YTX20HL-BS	YTX20L-BS	-

POLARIS

2.0L	RZR Pro R	'22	GYZ32HL	YIX30L	-	-
1000	RZR XP1000, XP 4, Turbo 4, Turbo S, Tractor	'14-'22		YBX9140R	-	-
	RZR Pro XP	'22	GYZ32HL	YIX30L	-	-
	RZR RS1 Turbo Pro	'18-'22		YIX30L	-	-
	Ranger BC	'20-'21	GYZ32HL	YIX30L	-	-
	Ranger / General	'16-'22		YBX9140R	-	-
	Ranger Diesel, XP	'15-'22		YBX9140R	-	-
	Ranger 48V	20-'22		YBX9140R	-	-
900	RZR	'11-'14	GYZ32HL	YIX30L	-	YB30L-B
	RZR	'15-'22		YBX9140R	-	-
	RZR 900 Trail	'22		YBX9140R	-	-
	Ranger Diesel	'11-'14		YBX9140R	-	-
	Ranger XP	'13-'22		YBX9140R	-	-
	Ranger Crew	'14-'22		YBX9140R	-	-
800	RZR	'08-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
	RZR 4, RZR S 800	'10-'12	GYZ20HL	YTX20HL-BS	-	-
	RZR 4, RZR S 800	'13-'14	GYZ32HL	YIX30L-BS	-	-
	Ranger	'10-'14	GYZ32HL	YIX30L	-	YB30L-B
	Ranger, 6 x 6	'14-'17		YBX9140R	-	-
700	Ranger 6x6, 4x4	'06-'10	GYZ32HL	YIX30L	-	YB30L-B
570	RZR 570, A2	'12-'20		YTX14AH-BS	-	YB14-B2
	RZR 570 EPS, AM	'13-'20	GYZ32HL	YIX30L	-	YB30L-B
	Ranger 4x4	'14-'18		YTX14AH-BS	-	YB14-B2
	Ranger 570 Full Size	'20-'22		YTX14AH-BS	-	YB14-B2
	Ranger 570, NSTR	'22		YBX9140R	-	-
	Ranger Crew 570-4	'16-'18		YTX14AH-BS	-	YB14-B2
	Ranger Crew 570-6	'16-'20		YTX14AH-BS	-	YB14-B2
	Ranger / Crew EBV/EBX, EBH	'18-'20	GYZ32HL	YIX30L-BS	-	YB30L-B
	Ranger 570, NSTR	'22		YBX9140R	-	-
500	Ranger	'20-'22		YTX14AH-BS	-	YB14-B2
	Ranger 6x6, 4x4	'98-'04	GYZ32HL	YIX30L	-	YB30L-B
	Ranger 4x4,	'04-'10	GYZ32HL	YIX30L	-	YB30L-B
425	Ranger 2x4	'02-'03	GYZ32HL	YIX30L	-	YB30L-B
400	Ranger 400, 4x4 HO	'10-'14		YTX14AH-BS	-	YB14-B2
200	RZR	'22	-	-	YTX12-BS	-
170	RZR	'16-'20	-	-	YTX12-BS	-
150	Ranger 150	'22	-	-	YTX9-BS	-

SUZUKI

620	QUV620F	'05	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
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YAMAHA

Rhino	All	Not available	-	-	-
1000	YXZ1000R	'16-'22	Not available	-	-
700	Viking	'14-'22	Not available	-	-

SCOOTER APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
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APRILIA

ATV/UTV	Model	Year	GYZ16H	YTX14H-BS	YTX14-BS	
850	SRV850	'12-'13				-
500	Scarabeo	'09-'13	-	-	YTX12-BS	-
300	Atlantic	'12	-	-	-	YB12AL-A
250	Sport City	'09-'13	-	-	YTX12-BS	-
200	Scarabeo	'09-'13	-	-	YTX12-BS	-
150	Mojito	'09-'10	-	YTZ8V	YTZ7L-BS	-
125	Sport City	'08-'13	-	-	-	YB9-B
100	Scarabeo ST	'09-'13	-	-	-	YB9-B

Sport C

BMW						
650	C650 GT, Sport	'11-'18	GYZ16H	YTX14H-BS	YTX14-BS	-
	C650 Evolution	'16-'18		-	YTX9-BS	-
600	C600, Sport	'13-'16	GYZ16H	YTX14H-BS	YTX14-BS	-
	C600	'11-'12	-	YZT14S	-	-

SCOOTER APPLICATIONS

SCOOTER

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
E-TON													
150	Sport 150	'12	-	-	YTX7A-BS	-	Agility 50	'09-'19	-	YTZ7S	YTX5L-BS	-	-
	Matrix R4-150	'12	-	-	YTX9-BS	-							
	Beamer R4-150	'12	-	-	YTX9-BS	-							
50	Beamer 50, Beamer III	'00-'12	-	YTZ7S	YTX5L-BS	-							
	Matrix 50	'12	-	YTZ7S	YTX5L-BS	-							
	Sport 50	'12	-	-	YTX7A-BS	-							
HONDA													
600	FSC600 Silver Wing	'02-'15	-	YTZ12S	-	-							
300	NSS300 Forza	'14-'16	-	YTZ12S	-	-							
250	CH250 Elite	'85-'90	-	-	YTX12-BS	-							
	CN250 Helix	'93-'09	-	-	YTX12-BS	-							
	NSS250 Reflex	'01-'09	-	YTZ12S	-	-							
	PS250 Big Ruckus	'05-'08	-	YTZ12S	-	-							
150	ADV150A	'21-'22	-	YTZ8V	-	-							
	CH150 Elite	'87	-	-	YTX9-BS	-							
	CH150 Elite Deluxe	'85-'86	-	-	-	YB9-B							
	SH150	10-'12	-	YTZ8V	YTX7L-BS	-							
	SH150	'13	-	YTZ7S	-	-							
	FES150	-	-	-	YTR9-BS	-							
	PCX150	'13	-	YTZ7S	-	-							
	PCX150	'15-'19	-	YTZ8V	-	-							
125	CH125 Elite	'84	-	-	-	YB9-B							
	FES125	-	-	-	YTR9-BS	-							
	NH125 Aero	'84	-	-	-	YB5L-B							
	Pantheon 125	-	-	-	YTR9-BS	-							
	PCX125	11	-	YTZ7S	-	-							
	SH125	10-'12	-	-	YTX7L-BS	-							
	SH125	'13	-	YTZ7S	-	-							
110	NHX110 Elite	'10-'13	-	-	YTX7L-BS	-							
80	CH80 Elite	'93-'09	-	YTZ7S	-	-							
	NH80 Aero	'85	-	YTZ7S	-	-							
	NH80MD Aero	'83-'84	-	-	-	YB5L-B							
50	CHF50 Metropolitan, II, SP	'02-'13	-	YTZ7S	-	-							
	NB50 Aero	'85-'87	-	-	YTX4L-BS	-							
	NB50M Aero	'83-'84	-	-	-	YB4L-B							
	NCH50 Metropolitan	'13-'17	-	YTZ5S-BS	YTX4L-BS	-							
	NCW50	'18-'22	-	YTZ5S-BS	-	-							
	NN50MD Gyro	'84	-	-	-	YB4L-B							
	NPS50, S Ruckus	'03-'22	-	YTZ7S	-	-							
	NC50 Spree, 50D SS	'86-'87	-	YTZ5S-BS	YTX4L-BS	-							
	NQ50 Spree	'84-'85	-	-	-	YB4L-B							
	P50 Little Honda	'67-'68	-	-	-	6N4-2A-4							
	PA50I Moped, PA50II	'78-'83	-	-	-	6N4B-2A-5							
	SA50 Elite LX, S, SR	'88-'01	-	YTZ5S-BS	YTX4L-BS	-							
	SB50 (All)	'88-'90	-	YTZ5S-BS	YTX4L-BS	-							
	SE50 Elite (All)	'87	-	YTZ5S-BS	YTX4L-BS	-							
	TG50 Gyro S (All)	'85-'86	-	YTZ5S-BS	YTX4L-BS	-							
HYOSUNG													
250	NS3-250	'09-'16	-	-	YTX9-BS	-							
100	EZ100	All Years	-	YTZ7S	YTX5L-BS	-							
50	SB50 Super Cab, SD50 Sense, SF50 Prima, Rally, Sense	All Years	-	YTZ5S-BS	YTX4L-BS	-							
KYMCO													
500	Xciting 500i	'09-'16	GYZ16H	YTX14H-BS	YTX14-BS	-							
400	Xciting 400i	'09	-	-	YTX12-BS	-							
300	Downtown 300	'13	-	-	YT12A-BS	-							
	People GT	'16	-	-	YT12A-BS	-							
250	People 250	'09-'11	-	-	YT12A-BS	-							
	Xciting 250i	'10-'11	-	-	YT12A-BS	-							
	Agility 250	'16	-	YTZ7S	YTX5L-BS	-							
200	People S 200	'11	-	-	YT7A-BS	-							
	People GT	'13	-	-	YT12A-BS	-							
150	People S 150	'09-'13	-	-	YT7A-BS	-							
	Super 8 150	'09-'16	-	-	YT7A-BS	-							
125	People S 125	'09-'10	-	-	YT7A-BS	-							
	Agility 125	'16	-	YTZ7S	YTX5L-BS	-							
50	Super 8	'09-'20	-	-	YT7A-BS	-							
	Super 9	'09-'10	-	YTZ7S	YTX5L-BS	-							
	People	'09-'13	-	YTZ7S	YTX5L-BS	-							
	People S 50	'09-'10	-	-	YT7A-BS	-							
PIAGGIO													
500	MP3 500 /Sport ABS	'08-'19	GYZ16H	YTX14H-BS	YTX14-BS	-							
	BV500	'08-'13	GYZ16H	YTX14H-BS	YTX14-BS	-							
460	X9	'09	GYZ16H	YTX14H-BS	YTX14-BS	-							
400	MP3 400	'08-'13	GYZ16H	YTX14H-BS	YTX14-BS	-							
350	BV350 ABS	'13-'19	-	-	YTX12-BS	-							
250	MP3 250	'08-'13	GYZ16H	YTX14H-BS	YTX14-BS	-							
	BV250	'08-'11	GYZ16H	YTX14H-BS	YTX14-BS	-							
150	Fly 150	'09-'13	-	-	-	YB9-B							
	Fly 150	'14-'19	-	-	YTZ8V	YTX7L-BS	-						
125	Typhoon	'13-'19	-	-	-	YB9-B							
50	Fly 50	'09-'13	-	-	YTZ8V	YTX7L-BS	-						
	Fly 50	'14-'19	-	-	-	YB9-B							
	Typhoon	'09-'19	-	-	-	YB9-B							
PIAGGIO - GILERA													
500	Fuoco 500ie	'10-'13	-	-	YTX20CH-BS	YTX16-BS	-						
	Nexus 500ie	'10	-	-	YTX14AHL-BS	-	SYB14L-A2						
300	Nexus 300ie	'10-'11	GYZ16H	YTX14H-BS	YTX14-BS	-							
200	Runner 200	'10-'12	-	-	YTX12-BS	-							
125	Runner 125	'10-'12	GYZ16H	YTX14H-BS	YTX14-BS	-							
50	SP50	'10-'13	-	-	-	YB4L-B							
PIAGGIO - VESPA													
946	Vespa 946	'13-'16	-	-	-	YT12B-BS	-						
350	BV	'13-'21	-	-	-	YTX12-BS	-						
300	GTS300, GTV300	'09-'20	-	-	-	YTX12-BS	-						
250	GTS250, GTV250	'10	GYZ16H	YTX14H-BS	YTX14-BS	-							
150	LX150	'07	-	-	-	YB9-B							
	LX150 4T	'16	-	-	-	YTX12-BS	-						
	Primavera, Sprint	'14-'20	-	-	-	YTX7L-BS	-						
50	LX50	'10-'16	-	-	-	YB9-B							
	Primavera, Sprint	'14-'16	-	-	-	YTX7L-BS	-						
SYM													
250	RV250	'10-'12	-	-	-	YTX12-BS	-						
200	HD200	'10-'13	-	-	-	YTX9-BS	-						
125	HD125	'10-'11	-	-	-	YTX9-BS	-						
	Fiddlell125	'10-'11	-	-	-	YTX7A-BS	-						
50	Fiddlell50	'10-'12	-	-	-	YTX7A-BS	-						
	SYMply50	'10-'11	-	-	-	YTX7A-BS	-						
	MIO 50	'10-'13	-	-	-	YTX7A-BS	-						
	JetEuro 50	'10-'12	-	-	-	YTZ7S	YTX5L-BS	-					
	RS50	'10	-	-	-	YTZ5S-BS	YTX4L-BS	-					
SUZUKI													
650	AN650 Burgman	'03-'17	GYZ16H	YTX14H-BS	YTX14-BS	-							
400	AN400 Burgman	'03-'20	-	-	-	YTX9-BS	-						
200	UH200A Burgman	'14-'19	-	-	-	YTX9-BS	-						
50	F50, F50R	'71	-	-	-	-	6N4-2A						
	FA50 Shuttle	'80-'91	-	-	-	-	6N2-2A-4						
	FS50, FZ50	'79-'83	-	-	-	-	6N4-2A						
YAMAHA													
530	T-MAX XP500F	'13-'16	-	-	-	YTZ12S	-	-					
500	T-MAX XP500	'09-'13	-	-	-	YTZ10S	-	-					
400	YP400 Majesty	'04-'14	-	-	-	-	YTX9-BS	-					

ATV (ALL TERRAIN VEHICLE) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
GW50 Zuma II	'97-'01	-	-	-	YB4L-B	VOX	'13	-	YTZ7S	YTX5L-BS	-		
CY50 Riva Jog	'92-'01	-	YTZ5S-BS	YTX4L-BS	-	JOG, ZR	'13	-	YTZ7S	YTX5L-BS	-		
SH50 Riva Razz	'87-'01	-	-	-	YB4L-B								
XC50 Vino, Classic	'01-'18	-	YTZ7S	YTX5L-BS	-								
XF50W (C3)	'07-'13	-	YTZ7S	YTX5L-BS	-								
YW50A, F, FX Zuma	'02-'19	-	YTZ7S	YTX5L-BS	-								

ATV (ALL TERRAIN VEHICLE) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional					
AEON (BENZAI)																		
50	Cobra/CX-Sport 50	All	-	YTZ5S-BS	YTX4L-BS	-	Quest	'02-'05	-	YTX20HL-BS-PW	-	YB16CL-B						
90	Cobra/CX-Sport 90	All	-	YTZ5S-BS	YTX4L-BS	-	Quest (Opt)	'02-'05	-	YTX24HL-BS	-	Y50-N18L-A-CX						
100	Cobra/CX-Sport 100	All	-	YTZ5S-BS	YTX4L-BS	-	Outlander	'06-'12	GYZ20HL	YTX20HL-BS	YTX20L-BS	-						
ARCTIC CAT																		
1000	Thundercat	'08-'10	GYZ20H	YTX20H-BS	YTX20-BS	-	Outlander, 6x6	'13-'22	GYZ20HL	YTX20HL-FA	YTX20L-FA	-						
Mudpro 1000H2, TRV, 1000i GT, XT		'10-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	570 Outlander, Renegade	'16-'22	GYZ20HL	YTX20HL-FA	YTX20L-FA	-						
700	FIS	'06-'08	GYZ20H	YTX20H-BS	-	500 Traxter (All Models), Quest	'99-'05	-	YTX20HL-BS-PW	-	YB16CL-B							
Diesel	'07-'15	-	YTX24HL-BS	-	-	Traxter (All Models), Quest (Opt)	'02-'05	-	YTX24HL-BS	-	Y50-N18L-A-CX							
TRV, Mudpro, LTD, TBX	'09-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	Outlander, MAX, Renegade	'07-'15	GYZ20HL	YTX20HL-FA	YTX20L-FA	-							
Altera	'16-'22	GYZ20H	YTX20H-BS	YTX20-BS	-	450 DS450	'08-'15	-	-	YTX20L-FA	-							
XT, TRV, CORE	'13-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	Outlander	'16-'22	GYZ20HL	YTX20HL-FA	YTX20L-FA	-							
650 4x4 Automatic V2	'04-'06	-	YTX14AH-BS	-	400 Outlander 400	'03-'04	-	-	YTX20L-FA	-								
4X4 Automatic	'10	GYZ20H	YTX20H-BS	YTX20-BS	-	Outlander 400, XT, MAX	'04-'15	GYZ20HL	YTX20HL-FA	YTX20L-FA	-							
TRV	'09	-	YTX14AH-BS	-	330 Outlander 330	'04-'05	-	-	YTX15L-BS	-								
650H1, TBX650	'05-'09	-	YTX14AH-BS	-	250 DS250	'06-'22	-	-	YTX12-BS	-								
Mudpro	'10-'12	GYZ20H	YTX20H-BS	YTX20-BS	-	200 Rally	'02-'06	-	YTX14AH-BS	-	YB14A-A2							
650, H1	'11-'12	GYZ20H	YTX20H-BS	YTX20-BS	-	90 DS90, DS90F, Quest	'02-'22	-	YTX20L-BS	-								
600 Alterra	'22	GYZ20H	YTX20H-BS	YTX20-BS	-	70 DS70	'08-'22	-	YTX20L-BS	-								
570 Alterra 570	'19-'21	GYZ20H	YTX20H-BS	-	50 DS50, Quest	'02-'06	-	YTX20L-BS	-									
545 Alterra 550,TRV, LTD, S, XT, CORE	'10-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	CF MOTO												
500 All Other Models	'09	-	YTX14AH-BS	-	800 Cforce 800	'12-'22	GYZ32HL	YDX30L-BS	-	-								
ATV 500	'13-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	600 Cforce 600	'19-'22	GYZ32HL	YDX30L-BS	-	-							
Altera	'16	GYZ20H	YTX20H-BS	YTX20-BS	-	500 Cforce 500	'16-'22	GYZ32HL	YDX30L-BS	-	-							
Altera	'17-'18	GYZ20H	YTX20H-BS	YTX20L-BS	-	400 Cforce 400	'07-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-							
TRV	'13-'20	GYZ20H	YTX20H-BS	YTX20-BS	-	E-TON												
450 XC450	'11-'17	GYZ20H	YTX20H-BS	YTX20L-BS	-	250 Vector250	'13	-	-	YTX12-BS	-							
ATV 450	'10-'12	GYZ20H	YTX20H-BS	YTX20-BS	-	150 CXL150 Yukon II	'00-'13	-	-	YTX9-BS	-							
ATV 450, Alterra	'13-'16	GYZ20H	YTX20H-BS	YTX20L-BS	-	YXL150 Yukon	'00-'03	-	-	YTX9-BS	-							
Altera	'21-'22	GYZ20H	YTX20H-BS	YTX20L-BS	-	Viper150R	'13	-	-	YTX9-BS	-							
TRV	'11-'12	GYZ20H	YTX20H-BS	YTX20-BS	-	90 All models	'04-'13	-	YTX7S	YTX5L-BS	-							
TRV, CORE	'13-'17	GYZ20H	YTX20H-BS	YTX20L-BS	-	AXL, TXL, NXL, RXL	'99-'03	-	YTX5S-BS	YTX4L-BS	-							
400 All Models	All	-	YTX14AH-BS	-	70 Viper 70	'99-'03	-	DXL90 Sierra	'99-'03	-	YTX4L-BS	-						
DVX 400	All	-	-	-	50 All models	'04-'05	-	YTX7S	YTX5L-BS	-	YTX5L-BS	-						
Altera TRV, CORE	'17	-	YTX14AH-BS	-	AXL, TXL, NXL, RXL	'99-'03	-	YTX5S-BS	YTX4L-BS	-	YTX4L-BS	-						
366	366	'08-'11	-	YTX14AH-BS	-	HONDA												
350	ATV 350	'11-'12	-	YTX14AH-BS	-	700 TRX700XX	'08-'13	-	-	YTX9-BS	-							
300	DVX300, Utility	'09-'16	-	-	680 TRX680FA FourTrax Rincon	'06-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-								
Altera	'17-'22	-	-	YTX12-BS	-	650 TRX650 FourTrax Rincon (Std.)	'03-'05	GYZ16H	YTX14H-BS	YTX14-BS	-							
ATV 300, 4x4, 2x4	'98-'05	-	YTX14AHL-BS	-	520 TRX520	'20-'22	GYZ16H	-	-	-	-							
250 All Models	'05	-	YTX14AHL-BS	-	500 TRX500FA FourTrax Rubicon	'01-'14	GYZ16H	YTX14H-BS	YTX14-BS	-								
DVX250, 2x4	'06-'10	-	-	YTX12-BS	-	TRX500FA	'15-'19	GYZ16H	-	-	-							
150 150 Utility, Alterra	'09-'19	-	-	YTX9-BS	-	TRX500FE, FM, TM Trax Foreman	'05-'11	GYZ16H	YTX14H-BS	YTX14-BS	-							
90 ATV 90, Y-12 Youth, 2-Stroke	'02-'04	-	Y TZ5S	YTX4L-BS	-	FourTrax Foreman ES, 4x4	'05-'09	GYZ16H	YTX14H-BS	YTX14-BS	-							
ATV 90, Y-12 Youth, 4-Stroke	'04-'05	-	Y TZ7S	YTX5L-BS	-	TRX500FE, FPE, FM, FPM	'11-'19	GYZ16H	-	-	-							
DVX90, Utility	'06-'19	-	Y TZ7S	YTX5L-BS	-	450 TRX450 FourTrax Foreman S, ES	'98-'04	GYZ16H	YTX14H-BS	YTX14-BS	-							
Altera 90	'17-'22	-	Y TZ7S	YTX5L-BS	-	TRX450ER, TRX450R	'06-'13	-	Y TZ7S	YTX5L-BS	-							
50 DVX50, Utility	'06-'08	-	Y TZ7S	YTX5L-BS	-	420 TRX420 FourTrax Rancher 4x4	'13	GYZ16H	YTX14H-BS	YTX14-BS	-							
ATV50 Y-6 Youth	'04-'05	-	Y TZ5S	YTX4L-BS	-	TRX420FA	'14-'22	GYZ16H	-	-	-							
BRP (Can-Am)																		
1000	Outlander 1000, Renegade, 6x6	'12-'22	GYZ20HL	YTX20HL FA	YTX20HL FA	-	TRX420FE, FM, TE, TM	'20-'22	GYZ16H	YTX14H-BS	YTX14-BS	-						
850	Outlander, Renegade	'16-'22	GYZ20HL	YTX20HL FA	YTX20HL FA	-	400 FL400R Pilot	'89-'90	GYZ16H	YTX14H-BS	YTX14-BS	-						
800	Outlander 800 EFI, MAX, Renegade	'06-'19	GYZ20HL	YTX20HL FA	YTX20L FA	-	TRX400 Rancher AT	'04-'06	GYZ16H	YTX14H-BS	YTX14-BS	-						
650	DS650	'00-'07	-	-	YTX15L-BS	-	TRX400X, EX, FourTrax, Sportrax	'99-'13	-	-	YTX9-BS	-						

FA Must use factory activated battery
Top and front terminal mounts only

K Available at Kawasaki dealers only
† This battery includes a sensor

ATV (ALL TERRAIN VEHICLE) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
TRX400FW	Foreman	'95-'03	GYZ16H	YTX14H-BS	YTX14-BS		KVF300-B	Prairie 300, 4x4 (CN)	'99-'02	-	YTX20HL-BS-PW	-	YB16CL-B
350	FL350R Odyssey	'85	-	-	YTX12-BS	-	KVF300	Brute Force	'13-'22	-	-	YTX12-BS	-
TRX350 FE, FM, TE, TM	'00-'06	GYZ16H	YTX14H-BS	YTX14-BS	-	250	KLF250-A Bayou	'03-'12	-	-	-	YB10A-A2	
TRX350_D FourTrax 4x4	'86-'89	GYZ16H	YTX14H-BS	YTX14-BS	-	KLF250-A Bayou (CN)	'03-'05	-	YTX14AH-BS	-	YB14A-A2		
300	TRX300 FourTrax	'88-'00	GYZ16H	YTX14H-BS	YTX14-BS	-	KLT250-A	'82-'83	-	-	-	YB12A-A	
TRX300X, EX	'93-'12	-	-	-	YTX9-BS	-	KLT250-C Prairie	'83	-	-	-	YB12A-A	
TRX300FW FourTrax 4x4	'88-'00	GYZ16H	YTX14H-BS	YTX14-BS	-	KLT250-C Prairie	'84-'85	-	-	-	YB10L-B		
250	ATC250ES Big Red	'85-'87	-	-	YTX12-BS	-	KLF220-A Bayou	'88-'02	-	-	-	YB10A-A2	
ATC250SX	'85-'87	-	-	-	YTX12-BS	-	KLF220-A Bayou (CN)	'92-'02	-	YTX14AH-BS	-	YB14A-A2	
TRX250A	'97-'01	-	-	-	YTX12-BS	-	KLT200-A, C	'81-'84	-	-	-	YB10L-B	
TRX250X, EX	'01-'20	-	-	-	YTX9-BS	-	KLT200-B, C	'83	-	-	-	YB12A-A	
TRX250 FourTrax	'85-'87	-	-	-	YTX12-BS	-	KLF185-A Bayou	'85-'88	-	-	-	YB10L-B	
TRX250 TE, TM, FourTrax Recon	'97-'20	-	-	-	YTX12-BS	-	KLF110-B Mojave	'87-'88	-	-	-	YB9L-A2	
TRX250 Recon, ES	'97-'03	-	-	-	YTX12-BS	-	90	KFX90	'07-'22	-	YTZ7S	YTX5L-BS	
200	ATC200 Big Red	'82-'84	-	YTX14AH-BS	-	-	80	KSF80-A (KFX80)	'03-'05	-	YTZ7S	YTX5L-BS	
ATC200M	'84-'85	-	YTX14AH-BS	-	-	50	KFX50	'07-'22	-	YTZ7S	YTX5L-BS		
TRX200 FourTrax	'90-'97	-	-	-	YTX12-BS	-	KTM						
TRX200 FourTrax	'84	-	YTX14AH-BS	-	YB14A-A2		525	XC ATV	'10-'13	-	YTZ7S	YTX5L-BS	
TRX200SX FourTrax	'86-'88	-	-	-	YTX12-BS	-	505	SX ATV	'08-'13	-	YTZ7S	YTX5L-BS	
125	ATC125M	'86-'87	-	-	YTX12-BS	-	XC ATV	'08-'09	-	YTZ7S	YTX5L-BS		
ATC125M	'84-'85	-	-	-	YB9A-A		450	SX ATV	'08-'12	-	YTZ7S	YTX5L-BS	
TRX125 FourTrax	'87-'88	-	-	-	YTX9-BS	-	XC ATV	'08-'12	-	YTZ7S	YTX5L-BS		
TRX125 FourTrax	'85-'86	-	-	-	YB9A-A		KYMCO						
90	TRX90X, EX	'06-'20	-	-	YTX5L-BS	-	700	MXU700	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	
HYOSUNG							500	MXU500	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	
450	TE450S	'13	-	-	YTX9-BS	-	450	Maxxer 450, MXU 450	'17	GYZ20HL	YTX20HL-BS	YTX20L-BS	
JOHN DEERE							300	MXU300SD	All	-	YTX12-BS	-	
All Models	All	-	YTX20HL-BS-PW	-	YB16CL-B		Mongoose300	All	-	-	YTX12-BS	-	
KASEA							250	Mongoose, MXU	All	-	YTX12-BS	-	
250	Skyhawk 250	All	-	-	YTX7A-BS	-	150	MXU150	All	-	YTX9-BS	-	
170	Skyhawk 170	All	-	-	YTX7A-BS	-	90	Mongoose 90	All	-	YTZ7S	YTX5L-BS	
150	Skyhawk 150, Adventure Buggy	All	-	-	YTX7A-BS	-	50	Mongoose 50	All	-	YTZ7S	YTX5L-BS	
125	KS, KU Models, Adventure Buggy	All	-	-	YTX7A-BS	-	POLARIS						
90	KS, KU Models	All	-	-	YTX7A-BS	-	1000	Sportsman XP 48, 55	'19-'20, '22	GYZ32HL*	YIX30L-BS	-	
Skyhawk 90	All	-	YTZ7S	YTX5L-BS	-	Sportsman XP, Touring XP, HL ('16)	'16-'22	GYZ20HL*	YIX20HL*				
65	KS, KU Models	All	-	-	YTX7A-BS	-	Sportsman XP, Touring XP	'15	GYZ20HL*	YTX20HL			
50	Mini Skyhawk	All	-	YTZ5S-BS	YTX4L-BS	-	Scrambler XP (55")	'20-'21	GYZ32HL*	YIX30L*			
Skyhawk 50	All	-	YTZ7S	YTX5L-BS	-	Scrambler 48, Sportsman 48	'19-'22	GYZ32HL*	YIX30L*				
KAWASAKI							Scrambler	'16-'19	GYZ20HL*	YIX20HL			
750	KVF750 Brute Force, EPS	'05-'22	GYZ16H	-	KMX14-BS K	-	Scrambler	'16-'19	GYZ20HL*	YTX20HL			
700	KVF650-A, B, D Prairie 700, 4x4	'04-'06	GYZ16H	-	KMX14-BS K	-	900	ACE SP	'16-'19	GYZ32HL*	YIX30L-BS	YB30L-B	
KFX700	'03-'10	GYZ16H	-	-	KMX14-BS K	-	Sportsman (opt.), WV (std.)	'09-'22	GYZ32HL	YIX30L	-		
650	KVF650 Brute Force	'02-'13	GYZ16H	-	KMX14-BS K	-	Sportsman, SP, Touring XP, HL ('16)	'10-'18	GYZ20HL*	YIX20HL*			
450	KFX450R	'08-'14	-	YTZ8V	YTX7L-BS	-	Sportsman HL	'20	GYZ32HL	YIX30L*			
4x4 Advantage Classic	'02-'03	GYZ16H	-	-	KMX14-BS K	-	Scrambler 48, Sportsman 48	'19	GYZ32HL*	YIX30L*			
400	KLF400-B Bayou 400 4x4	'93-'00	-	YTX20HL-BS-PW	-	Scrambler	'16-'18	GYZ20HL*	YIX20HL				
KSF400-A (KFX400)	'03-'06	-	-	YTX9-BS	-	Scrambler	'13-'15	GYZ20HL*	YTX20HL				
KVF400-A Prairie 400 4x4	'97-'00	-	YTX14AH-BS	-	YB14A-A2		800	Sportsman	'05-'10	GYZ32HL	YIX30L-BS	-	
KVF400-A Prairie 400 4x4 (CN)	'97-'00	-	YTX20HL-BS-PW	-	YB16CL-B		Sportsman	'11-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS		
KVF400-B Prairie 400 4x4	'98-'00	-	YTX14AH-BS	-	YB14A-A2		700	Sportsman, Military	'02-'08	GYZ32HL	YIX30L-BS	YB30L-B	
KVF400-B Prairie 400 4x4 (CN)	'98-'00	-	YTX20HL-BS-PW	-	YB16CL-B		Sportsman	'10	GYZ32HL	YIX30L-BS	-		
KVF400-C Prairie 400, 4x4	'99-'02	-	YTX14AH-BS	-	YB14A-A2		600	Sportsman	'04-'05	GYZ32HL	YIX30L-BS	YB30L-B	
KVF400-C Prairie 400, 4x4 (CN)	'99-'02	GYZ16H	-	-	KMX14-BS K		Sportsman HO, EPS Tractor, Touring EPS	'14-'22	-	YTX14AH-BS	-		
KVF400-D Prairie 400, 4x4 (CN)	'99-'01	GYZ16H	-	-	KMX14-BS K		UTL E2, EPS Tractor EFI/ EPS, 6X6	'14-'22	-	YTX14AH-BS	-		
360	KVF360 Prairie	'13	-	YTX14AH-BS	-	YB14A-A2		ACE, ACE SP, EFI, EPS, EPS Utility	'15-'20	-	YTX14AH-BS	-	YB14A-A2
300	KEF300-A Lakota	'95-'00	-	YTX14AH-BS	-	YB14A-A2		Premium, Latin, SP, UTL	'15-'20	-	YTX14AH-BS	-	YB14A-A2
KEF300-A Lakota Sport	'01-'03	-	YTX14AH-BS	-	YB14A-A2		Sportsman, EPS, Hunter, SP, Trail, Utility	21-'22	Unavailable	-	-	-	
KEF300-B Lakota Sport	'01-'03	-	YTX14AH-BS	-	YB14A-A2		550	Sportsman Touring, XP, X2	'09	GYZ20HL	YTX20HL-BS	-	
KLF300-A Bayou	'86-'87	-	YTX20HL-BS-PW	-	YB16CL-B		Sportsman Touring, X2	'10	GYZ20HL	YTX20HL-BS	-		
KLF300-B Bayou	'88-'04	-	YTX14AH-BS	-	YB14A-A2		Sportsman XP	'10	-	YTX14AH FA	-		
KLF300-B Bayou (CN)	'92-'99	-	YTX20HL-BS-PW	-	YB16CL-B		Sportsman EPS, X2, Touring	'10-'14	-	YTX14AH FA	-		
KLF300-C Bayou 300 4x4	'89-'04	-	YTX14AH-BS	-	YB14A-A2		525	Outlaw 525	'08-'12	-	YTX9-BS	-	
KLF300-C Bayou 300 4x4 (CN)	'92-'05	-	YTX20HL-BS-PW	-	YB16CL-B		All Models	'99-'12	-	YTX14AH-BS	-	YB14A-A2	
KVF300-A Prairie 300, 4x4	'99-'02	-	YTX14AH-BS	-	YB14A-A2		(Excl. Predator, Sportsman)		-	YTX14AH-BS	-	YB14A-A2	
KVF300-A Prairie 300, 4x4 (CN)	'99-'01	-	YTX20HL-BS-PW	-	YB16CL-B		Sportsman HO	'96-'13	-	YTX14AH-BS	-	YB14A-A2	
KVF300-B Prairie 300, 4x4	'99-'02	-	YTX14AH-BS	-	YB14A-A2		Sportsman EFI	'06	GYZ32HL	YIX30L-BS	-	YB30L-B	

* Available at Kawasaki dealers only

** See Battery Cross Reference Chart on page 17

FA Must use Factory Activated battery

ATV (ALL TERRAIN VEHICLE) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
Sportsman EFI	'07-'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-		LT160 E QuadRunner	'03-'04	-	-	-	-	YB9A-A
Predator, Outlaw	'03-'06	-	-	YTX9-BS	-		LT-F160 QuadRunner	'91-'01	-	-	-	-	YB9A-A
ACE 500 SOHC	'18-'19	-	-	-	-	YB14A-A2	90	LT-Z90 QuadSport	'07-'09	-	-	YTX7A-BS	-
ACE500 SOHC (opt)	'18-'19	GYZ32HL	-	-	-		LT-Z90 QuadSport	'14-'18	-	-	YTX7A-BS	-	
450 Sportsman HO, HD 2X4	'16-'19	-	YTX14AH-BS	-	YB14A-A2		80	LT80 QuadSport 80	'87-'06	-	Y TZ7S	YTX5L-BS	-
Sportsman HO, EPS, Utility	'21-'22	Unavailable	-	-	-		50	LT-Z50 QuadSport	'06-'11	-	Y TZ7S	YTX5L-BS	-
Diesel .445 Litre (primary)	'99-'03	GYZ32HL	YIX30L-BS	-	YB30L-B								
Diesel .445 Litre (secondary)	'99-'03	-	YTX14AH-BS	-	YB14A-A2								
Outlaw 450	'07-'10	-	-	YTX9-BS	-								
425 All Models	'95-'02	-	YTX14AH-BS	-	YB14A-A2		700	YFM7FG Grizzly	'07-'13	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
400 All Models	'94-'14	-	YTX14AH-BS	-	YB14A-A2			YFM700DE,DH,PE,PF,PH,PS Grizzly	'14-'15	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
335 Sportsman	'98-'01	-	YTX14AH-BS	-	YB14A-A2			YFM70 Grizzly	'16-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
330 Magnum, Trail	'03-'13	-	YTX14AH-BS	-	YB14A-A2			Raptor 700, R, R SE	'06-'20	-	-	YT9B-BS	-
325 ACE	'14-'16	GYZ32HL	YIX30L-BS	-	YB30L-B			Kodiak 700, EPS	'16-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
All Models	'87-'02	-	YTX14AH-BS	-	YB14A-A2			YFM660PP,FR,FH,FL Grizzly	'02-'04	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
300 Hawkeye, Sportsman 300	'06-'10	-	YTX14AH-BS	-	YB14-B2			YFM66FA,FG Grizzly	'05-'08	GYZ20HL	YTX20HL-BS	YTX20L-BS	-
250 All models	'85-'05	-	YTX14AH-BS	-	YB14A-A2			YFM660RN,RT,PR,PL,RS Raptor	'01-'05	GYZ16H	YTX14H-BS	YTX14-BS	-
200 Phoenix, Sawtooth	'05-'19	-	-	YTX12-BS	-		600 YFM600FW,FH Grizzly	'98-'01	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
150 ACE EFI	'20-'21	-	-	YTX9-BS	-		YFV600FW Grizzly	'98-'01	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
ATV Ranger	'18-'19	-	-	YTX9-BS	-		550 YMF5G,YM550PE,DE,DH Grizzly	'09-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
110 Outlaw	'16-'22	-	Y TZ7S	YTX5L-BS	-		450 YFM45FG Grizzly	'07-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
Sportsman	'16-'22	-	Y TZ7S	YTX5L-BS	-		YFM45FX Wolverine	'06-'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
90 Predator, Sportsman, Outlaw	'03-'14	-	Y TZ7S	YTX5L-BS	-		YFM450FA,YFM45FA Kodiak	'03-'06	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
90 Scrambler, Sportsman	'01-'02	-	Y TZ5S-BS	YTX4L-BS	-		YFM45KD,KP Kodiak	'18-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
50 Outlaw, Predator (-'07)	'04-'22	-	Y TZ7S	YTX5L-BS	-		YFZ450	'04-'13	-	-	YT7B-BS	-	
Scrambler	'01-'02	-	Y TZ5S-BS	YTX4L-BS	-		YFZ450	'17	-	Y TZ7S	YTX5L-BS	-	
Scrambler	'03	-	Y TZ7S	YTX5L-BS	-		YFZ450X	'08	-	-	YT7B-BS	-	
							YFZ450X	'10-'11	-	Y TZ7S	YTX5L-BS	-	
							YFZ450R	'09-'20	-	Y TZ7S	-	-	
							400 YFM40FB Big Bear	'00-'12	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
100 ATV100	All	-	Y TZ5S-BS	YTX4L-BS	-		YFM40FG Grizzly	'07-'08	-	YTX14AH-BS	-	-	
50 ATV50	All	-	Y TZ5S-BS	YTX4L-BS	-		YFM40FW Kodiak	'93-'95	-	YTX14AH-BS	-	YB14A-A1	
							YFM40FW Kodiak/Automatic	'03-'06	-	YTX14AH-BS	-	-	
							YFM40FW Kodiak/Automatic	'96-'02	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
							YFM40FWN Big Bear	'00-'03	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	
							350 YFM35B Bruin	'04-'06	-	YTX14AH-BS	-	-	
							YFM35ER Moto 4	'87-'95	-	YTX14AH-BS	-	YB14A-A1	
							YFM35F,U Big Bear	'87-'99	-	YTX14AH-BS	-	YB14A-A1	
							YFM35FX,Wolverine	'95-'05	-	-	-	YB12C-A	
							YFM35FX Wolverine	'06-'09	-	YTX14AH-BS	-	-	
							YFM35FG Grizzly	'07-'14	-	YTX14AH-BS	-	-	
							YFM35R Raptor	'04-'13	-	YTZ10S	-	-	
							YFM35U Big Bear	'87-'99	-	YTX14AH-BS	-	YB14A-A1	
							YFM35X Warrior	'87-'04	-	-	-	YB12C-A	
							YFP35 TerraPro	'88	-	YTX14AH-BS	-	YB14A-A1	
							300 Grizzly 300 Automatic	'12-'13	-	-	YTX12-BS	-	
							250 YFB250,T Timber Wolf	'92-'00	-	-	-	YB12C-A	
							YFM25 Bear Tracker	'99-'04	-	YTX14AH-BS	-	YB14A-A2	
							YFM25 Moto 4	'89-'91	-	YTX14AH-BS	-	YB14A-A1	
							YFM25B Big Bear	'07-'09	-	YTX14AH-BS	-	YB14A-A2	
							YFM25B Bruin	'05-'06	-	YTX14AH-BS	-	YB14A-A2	
							YFM25R Raptor,R	'08-'13	-	YTZ7S	YTX5L-BS	-	
							230 YFU-1/T Pro-Hauler	'89	-	YTX14AH-BS	-	YB14A-A1	
							225 YFM225 Moto 4	'86-'88	-	YTX14AH-BS	-	YB14A-A1	
							YTM225DR,DX Tri-Moto	'83-'86	-	YTX14AH-BS	-	YB14A-A1	
							200 YFM200,DX Moto 4	'85-'89	-	YTX14AH-BS	-	YB14A-A1	
							YTM200,E,ER Tri Moto	'83-'85	-	YTX14AH-BS	-	YB14A-A1	
							125 YFA-1 Breeze	'89-'04	-	-	-	YB12C-A	
							YFM125S,Grizzly	'04-'13	-	-	-	YB12C-A	
							YFM125R,Raptor	'11-'13	-	Y TZ7S	YTX5L-BS	-	
							100 YFM100 Champ	'87-'90	-	-	-	12N7-3B	
							YFM100 Champ	'91	-	-	-	12N7D-3B	
							90 YFM90R Raptor	'09-'22	-	Y TZ7S	YTX5L-BS	-	
							YFM90 Grizzly	'19-'22	-	Y TZ7S	YTX5L-BS	-	
							80 YFM80 Badger	'85-'01	-	-	-	12N7-3B	
							YFM80 Grizzly	'05-'08	-	-	-	12N7-3B	
							YFM80R Raptor	'02-'08	-	-	-	12N7-3B	
							50 YFM50 Raptor	'04-'08	-	-	-	12N7-3B	
							YFZ50	'17-'22	-	Y TZ7S	YTX5L-BS	-	
							YB9A-A	-					

FA Must use factory activated battery

PWC (PERSONAL WATERCRAFT) APPLICATIONS

PWC (PERSONAL WATERCRAFT) APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional							
AQUA-JET CO.																				
430	Aqua-Jet SX1	'91	-	-	-	YB16-B	JH750 SS, ST, Xi, XIR	'92-'99	-	YTX20HL-PW	-	-	YB16CL-B							
432	Aqua-Jet Sx1	'89-'90	-	-	-	YB16-B	JH750 ST, Zi	'95-'97	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-							
ARCTIC CAT																				
770	Tiger Shark	'97-'99	-	YTX14AHL-BS	-	YB14L-A2	JH750 SX,ZX	'92-'95	-	YTX20HL-PW	-	YB16CL-B	-							
640	Tiger Shark	'97-'99	-	YTX14AHL-BS	-	YB14L-A2	JS750 SX, ZX	'92-'95	-	YTX20HL-PW	-	YB16CL-B	-							
	Tiger Shark	'93-'96	-	-	-	YB16C-B	JS750 Xi, SXi Pro	'95-'02	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-							
BRP (SEA-DOO)																				
1630	Fish Pro	'19-'22	GYZ20HL	YTX20HL	YTX20L	-	JT650 TS	'89-'96	-	YTX20HL-PW	-	YB16CL-B	-							
	GTI, GTR, GTX, RXP, RXT, WAKE	'20-'22	GYZ20HL	YTX20HL	YTX20L	-	JF650 X2	'86-'95	-	YTX20HL-PW	-	YB16CL-B	-							
1500	GTI, GTR, GTS, GTX, RXT, RXP, WAKE Pro	'16-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	JL650 SC	'91-'95	-	YTX20HL-PW	-	YB16CL-B	-							
	GTI, GTR, GTR RXP, RXT, WAKE	'15	-	YDX30L-PW	-	YB30CL-B	JS650 SX	'87-'95	-	YTX20HL-PW	-	YB16CL-B	-							
	GTX 4-Tec, RXP	'03-'07	-	YIX30L-PW	-	YB30CL-B	JS550	'82-'85	GYZ20HL	YTX20HL-BS	YTX20L-BS	YB16L-B	-							
	All Models	'88-'93	GYZ20HL	YTX20HL-PW	YTX20L-BS	YB16CL-B	JS550, SX	'86-'95	-	YTX20HL-PW	-	YB16CL-B	-							
	All Other Models	'94-'07	-	YTX20HL-PW	-	YB16CL-B	JS440	'87-'92	-	YTX20HL-PW	-	YB16CL-B	-							
900	SPARK	'14-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	JS440	'77-'86	GYZ20HL	YTX20HL-BS	YTX20L-BS	YB16L-B	-							
	GTI 90	'18-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	400	'76	GYZ20HL	YTX20HL-BS	YTX20L-BS	YB16L-B	-							
780	3D	'07	-	YTX20HL-BS-PW	-	YB16CL-B	300	JS300 TS, SX	'86-'91	-	YTX20HL-PW	-	YB16CL-B	-						
HONDA																				
1470	AquaTrax F-15, F-15X	'03-'13	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	POLARIS													
1235	AquaTrax F/R-12, F/R-12X	'02-'09	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	All	All Models	All	-	YTX20HL-PW	-	YB16CL-B	-						
KAWASAKI (JET SKI)																				
1500	JT1500-A, STX, STX-15F	'04-'19	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	S.O.S. MARINE MFG													
	JT1500B, C, 250X, Ultra LX, 2600LJX, 300LJX	'07-'20	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	All	All Models	All	GYZ20H	YTX20H-BS	YTX20-BS	-	-						
	SXR, STX160	'17-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	ULTRANAUTICS													
	Ultra 310, LX, R, X	'14-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	1250	Jet Star1250 (Boat)	'88-'90	-	-	-	-	53030						
1200	JH1200-A, B Ultra 150	'99-'05	GYZ20HL	YTX20HL-BS	YTX20L-BS	-		Jet Star1260 (Boat)	91	-	-	-	-	53030						
	JT1200-A-B, C, STX-R, STX-12F	'02-'07	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	800	All Models	'87-'92	-	-	-	-	53030						
1100	JH1100-ZXi	'96-'03	GYZ20HL	YTX20HL-BS	YTX20L-BS	-		Wet Bike	'85-'86	-	-	-	-	YHD-12H						
	JH1100-B Ultra 130	'01-'04	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	WET JET INTERNATIONAL													
	JT1100 STX	'97-'03	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	All	All Models	All	GYZ20H	YTX20H	YTX20-BS	-	-						
900	JH900 ZXi	'95-'97	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	YAMAHA													
	JT900 STS, STX	'97-'05	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	All	All Wave Runner Models	'87-'08	-	YTX20HL-PW	-	YB16CL-B	-						
800	JS800 SX-R	'03-'13	GYZ20HL	YTX20HL-BS	YTX20L-BS	-		1800	FX, FZR, FZS, VXS, VRX	'09-'20	-	YTX20HL-PW	-	YB16CL-B	-					
750	JH750 B1-b3	'93-'95	-	YTX20HL-PW	-	YB16CL-B		FX	'21-'22	-	YTX20HL-BS	YTX20L-BS	-	-						
	JH750 E1,F2,G1,G2	'95-'99	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	1050	VX, V1	'09-'20	-	YTX20HL-PW	-	YB16CL-B	-						
								EX,EXR, SJ	'21-'22	-	YTX20HL-BS	YTX20L-BS	-	-						
								Jet Blaster	'21-'22	-	YTX20HL-BS	YTX20L-BS	-	-						
							1049	EX	'17-'19	-	YTX20HL-PW	-	YB16CL-B	-						
							700	Superjet	'09-'17	-	YTX20HL-PW	-	YB16CL-B	-						

SNOWMOBILE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
ARCTIC CAT													
1100	Z1, TZ1, F1100, M1100, Bearcat Z1	'01-'14	GYZ20H	YTX20H-BS	YTX20-BS	-	Riot 8000	'20-'22	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	ZR 7000, ZR 9000	'14-'21	GYZ20H	YTX20H-BS	YTX20-BS	-	700	Bearcat 3000, Pantera 3000	'16-'19	GYZ20H	YTX20H-BS	YTX20-BS	-
	XF1100, T1100, ZR 5000	'14-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	600	ZR 6000	'14-'21	GYZ20H	YTX20H-BS	YTX20-BS	-
	XF 7000, 8000, 9000	'14-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	M 6000	'15-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	M 8000, 9000	'14-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	XF 6000	'17-'18	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	M 7000	'15-'16	GYZ20H	YTX20H-BS	YTX20-BS	-	Norseman 6000	'18-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	Pantera 7000	'15-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	Riot 6000	'20-'22	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	Bearcat 7000	'15-'19	GYZ20H	YTX20H-BS	YTX20-BS	-	570	F570, T570	'08-'14	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A
	Bearcat 5000	'15-'17	GYZ20H	YTX20H-BS	YTX20-BS	-	565	Lynx 2000	'15-'20	GYZ20H	YTX20H-BS	YTX20-BS	-
800	F8 LXR, F800, M800, XF800	'07-'13	GYZ20H	YTX20H-BS	YTX20-BS	-	Bearcat 2000	'17-'20	GYZ20H	YTX20H-BS	YTX20-BS	-	-
	ZR 8000	'14-'21	GYZ20H	YTX20H-BS	YTX20-BS	-	500	F5 LXR	'07-'14	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A
	Norseman 8000	'19-'22	GYZ20H	YTX20H-BS	YTX20-BS	-	4 Stroke Trail, Touring	'02-'03	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
							Bearcat 340, 440	'95-'00	-	YTX14AH-BS	-	-	YB14-A2

* Top and front terminal mounts only

† This battery includes a sensor

SNOWMOBILE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional
Bearcat 570	'04-'08	-	YTX24HL-BS	-	Y50-N18L-A-CX	Puma, 2-Up, Deluxe	'94-'97	-	YTX14AH-BS	-	YB14-A2		
Bearcat 570	'09-'14	GYZ20H	YTX20H-BS	YTX20-BS	-	Sabercat 500 LX	'04-'05	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
Bearcat WT Turbo	'06-'08	-	YTX24HL-BS	-	-	Sabercat 500, 600, 700	'04-'06	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Bearcat WT	'05-'08	-	YTX24HL-BS	-	-	T660 Touring	'04-'08	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Bearcat WT	'03-'04	-	YTX24HL-BS	-	Y50-N18L-A-CX	T660 Turbo	'04-'07	-	YTX24HL-BS	-	-		
Bearcat WT	'95-'02	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A	Thundercat	'97-'02	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
Blast 4000	'21-'22	GYZ20H	YTX20H	YTX20-BS	-	Wildcat (EF)	'95-'96	-	-	-	YB7-A*		
Cheetah 340,550	'94	-	YTX14AH-BS	-	YB14-A2	Wildcat (EF)	'93	-	YTX14AHL-BS	-	SYB14L-A2*		
Cheetah 440 1-Speed, 2-Speed	'94	-	YTX14AHL-BS	-	SYB14L-A2†	Wildcat MC	'94-'96	-	-	-	YB7-A*		
Cheetah	'91-'93	-	YTX14AH-BS	-	SYB14L-A2†	Wildcat Touring	'95-'96	-	-	-	YB7-A*		
Cheetah	'89-'90	GYZ20H	YTX20H-BS	YTX20L-BS	YB16L-B	Z 440	'98-'06	-	YTX14AH-BS	-	YB14-A2		
Cougar	'95-'98	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A	Z 370	'99-'07	-	YTX14AH-BS	-	YB14-A2		
Cougar	'91-'94	-	YTX14AHL-BS	-	SYB14L-A2†	Z 570	'02-'07	-	YTX24HL-BS	-	Y50-N18L-A-CX		
Cougar	'89-'90	GYZ20H	YTX20H-BS	YTX20L-BS	YB16L-B	ZL 500	'01-'02	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
Crossfire 500	'07	GYZ20H	YTX20H-BS	YTX20-BS	-	ZL 550, 600	'01-'03	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
Crossfire 600	'06-'07	GYZ20H	YTX20H-BS	YTX20-BS	-	ZL 800	'01	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
Crossfire 700	'06	GYZ20H	YTX20H-BS	YTX20-BS	-	ZL 800	'02-'03	-	YTX24HL-BS	-	Y50-N18L-A-CX		
El Tigre 5000	'87-'88	-	YTX14AHL-BS	-	YB14L-A2	ZR 580 (EF)	'95-'96	-	-	-	YB7-A*		
EXT	'95-'97	-	-	-	YB7-A*	ZR 500, 600	'01-'02	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
EXT	'92-'94	-	YTX14AHL-BS	-	SYB14L-A2	ZR 800	'02-'03	-	YTX24HL-BS	-	Y50-N18L-A-CX		
El Tigre, EXT	'89-'91	GYZ20H	YTX20H-BS	YTX20L-BS	YB16L-B	ZR 900	'03-'06	-	YTX24HL-BS	-	Y50-N18L-A-CX		
EXT (Powder Special)	'95-'96	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A	ZRT 600,800	'97-'02	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A		
EXT (EF)	'98	GYZ20H	YTX20H-BS	YTX20-BS	YB18-A	200	'18-'22	-	YTZ8V	YTZ7L-BS	-		

BRP (SKI-DOO)

All 4-stroke	'03	-	YTX24HL-BS	-	-
All Models	'98	-	YTX24HL-BS	-	Y50-N18L-A-CX
CK3 Types	'99-'03	-	YTX24HL-BS	-	Y50-N18L-A-CX
Elite	'04-'06	GYZ32H	YIX30L	YIX30L-BS	-
ZX Types	'99-'01	-	-	YT15L-BS	-
ZX Types	'02-'03	-	-	YT20HL-BS	YT20L-BS
1200 Grand Touring, Expedition	'10-'18	-	YT20HL F/A	YT20L F/A	-
Expedition SE	'15-'19	GYZ32H	YIX30L-BS	-	-
Expedition LE	'10-'12	-	YT20HL BS-PW	-	-
Expedition LE	'13-'19	-	YT20HL-BS	-	-
Renegade, GSX, MX Z	'09-'18	-	YT20HL FA	YT20L FA	-
1000 Expedition, Legend, Skandic	'03-'06	-	YT24HL FA	-	-
Renegade, MX Z, Expedition, Grand Touring, Skandic	'14-'22	-	YT20HL FA	YT20L FA	-
Expedition LE,SE, SWT, Skandic WT	'20-'22	GYZ32H	YIX30L-BS	-	-
850 Renegade, E-TEC, X, Adventure	'17-'22	-	YT20HL FA	YT20L FA	-
MXZ X E-TEC, SUMMIT E-TEC	'17-'22	-	YT20HL FA	-	-
Free Ride (All models)	'18-'22	-	YT20HL FA	-	-
Expedition Xtreme	'20-'22	GYZ32H	YIX30L-BS	-	-
Backcountry	'19-'22	-	YT20HL FA	-	-
800 Expedition	'07-'19	-	YT20HL FA	YT20L FA	-
Renegade, Summit, Free Ride	'04-'22	-	YT20HL FA	YT20L FA	-
GSX, MX Z	'04-'17	-	YT20HL FA	YT20L FA	-
600 Expedition, Skandic, Summit, Sport	'06-'22	-	YT20HL FA	YT20L FA	-
Expedition SE	'13-'22	GYZ32H	YIX30L-BS	-	-
Expedition SE	'10-'12	GYZ32H	YIX30L FA	-	-
Skandic ACE, WT, SWT	'15-'22	GYZ32H	YIX30L-BS	-	-
Skandic ACE	'19-'20	-	YT20HL-BS	-	-
Grand Touring, Renegade	'04-'22	-	YT20HL FA	YT20L FA	-
Tundra, MXZ, GSX	'04-'22	-	YT20HL FA	YT20L FA	-
Backcountry	'19-'22	-	YT20HL FA	-	-
550 Expedition, Skandic, Tundra, Sport	'05-'20	-	YT20HL FA	YT20L FA	-
Grand Touring, Renegade	'14	-	YT20HL FA	YT20L FA	-
MXZ, GSX, GTX	'07-'14	-	YT20HL FA	YT20L FA	-
300 Skandic Tundra	'07-'09	-	YT20HL-BS	YT20L-BS	-

KAWASAKI

All Models	All	-	YTX24HL-BS	-	Y50-N18L-A-CX
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POLARIS

All EFI (RXL, 500 EFI)	'93-'97	-	-	-	YB9A-A
All Electric Start Kits	'85-'93	-	YTX24HL-BS	-	Y50-N18L-A-CX
All Electric Start Kits	'94-'05	-	YTX14AH-BS	-	YB14-A2
All Other Models	'92-'05	-	YTX14AH-BS	-	YB14-A2
Indy, Indy Trail	'84-'91	-	YTX24HL-BS	-	Y50-N18L-A-CX
Sprint (Electric Start)	'86-'90	-	-	-	Y60-N24-A
850 Rush Pro, SKS	'19	-	YTX20CH-BS	-	-

SNOWMOBILE APPLICATIONS

CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	CC	Model	Year	GYZ Series AGM	High Performance AGM	AGM	Yumicron / Conventional	
800	Switchback, RMK, Indy, Matryx, Patriot Boost	'19-'22	-	YTX20CH-BS	-	-	600	VX700DX Vmax 700 Deluxe	'99-'00	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
800	Switchback, RMK	'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	600	VX700ER Vmax 700 ER	'01-'02	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
Rush, Switchback, RMK	'11-'20	-	YTX20CH FA	-	-	-	600	VX700XTCD Vmax 700 XTC Deluxe	'98	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
Indy	'14-'16	-	YTX20CH FA	-	-	-	600	Transporter	'20-'22	GYZ20H	YTX20H-BS	-	-	-
SKS	'16	-	YTX20CH FA	-	-	-	600	VT600 Venture 600	'97-'98	-	-	-	-	YB16AL-A2
Titan SP, Adventure/XC	'18-'22	-	YTX20CH FA	-	-	-	600	VT600 Venture 600	'99-'06	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
750	FS/FST, Wide Trak	'06-'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	600	VX600DX Vmax 600 Deluxe	'99-'01	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
Turbo Switchback, Turbo Dragon	'06-'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	600	VX600E/DX Vmax 600 LE/DX	'94-'96	-	-	-	-	YB16AL-A2
Turbo LX, IQ	'08-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	600	VX600ER Vmax 600 ER	'02-'03	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
FS Wide Trak	'10-'13	GYZ32HL	YIX30L-BS	-	YB30L-B	-	570	VX600XTC Vmax 600 XTC	'97-'98	-	-	-	-	YB16AL-A2
650	Matryx, Indy, Nordicpro, Switchback	'22-	-	YTX20CH-BS	-	-	540	EX570E Exciter, II LE, Deluxe	'88-'93	-	-	-	-	YB16AL-A2
600	IQ Touring	'08	-	YTX14AH-BS	-	-	540	EC540 Excel	'79-'80	-	YTX24HL-BS	-	-	Y50-N18L-A-CX
IQ, Shift, Switchback, RMK	'09-'11	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	540	VK540E,M, II, III	'88-'05	-	-	-	-	YB16AL-A2
Shift, Switchback, RMK	'09-'10	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	540	VK540	'18-'22	-	-	-	-	YB16AL-A2
Wide Trak	'10-'17	GYZ32HL	YIX30L-BS	-	YB30L-B	-	540	XL540 XLV	'85-'90	-	-	-	-	YB16AL-A2
Rush	'10-'19	-	YTX20CH FA	-	-	-	500	Phazer All Models	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
Switchback, RMK	'12-'19	-	YTX20CH-BS	-	-	-	500	Venture Lite, MP, RS	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
Indy, Voyager	'14-'22	-	YTX20CH-BS	-	-	-	500	PZ500DX Phazer 500 Deluxe	'01	-	-	-	-	YB16AL-A2
Wide Trak	'14-'17	GYZ32HL	YIX30L	YIX30L-BS	YB30L-B	-	500	VT500 Venture 500	'97-'01	-	-	-	-	YB16AL-A2
550	IQ, LXT, Shift	'13	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	500	VT500 Venture 500 XL	'99-'00	-	-	-	-	YB16AL-A2
Indy, Voyageur, Adventure, RMK	'14-'22	-	YTX20CH-BS	-	-	-	500	Phazer All Models	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
Wide Trak	'16-'19	-	YTX20CH-BS	-	-	-	500	Venture Lite, MP, RS	'07-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	-
544	Trail, Trail Touring	'09	-	YTX14AH-BS	-	YB14A-A2	500	PZ500DX Phazer 500 Deluxe	'01	-	-	-	-	YB16AL-A2
500	Wide Trak	'89-'14	-	YTX24HL-BS*	-	Y50-N18L-A-CX	500	VT500 Venture 500	'97-'01	-	-	-	-	YB16AL-A2
500	Wide Trak	'89-'14	-	YTX24HL-BS*	-	Y50-N18L-A-CX	500	VT500 Venture 500 XL	'99-'00	-	-	-	-	YB16AL-A2
500	Wide Trak	'89-'14	-	YTX24HL-BS*	-	Y50-N18L-A-CX	500	VX500E/DX, ST Vmax	'94-'01	-	-	-	-	YB16AL-A2
1049	FY Nytro	'08-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	480	PZ480E Phazer Deluxe	'84-'89	-	YTX14AHL-BS	-	-	YB14L-A2
RS Venture	'09-'22	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	480	PZ480E Phazer II LE, SS	'90-'98	-	YTX14AHL-BS	-	-	SYB14L-A2*
RS Vector (All Models)	'10-'18	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	480	VT480 Venture GT	'92-'93	-	YTX14AHL-BS	-	-	SYB14L-A2*
SR VIPER L/M/R/S/X	'14-'22	GYZ22H	YTX20H-BS	-	-	-	480	VT480 Venture XL	'91-'97	-	YTX14AHL-BS	-	-	SYB14L-A2*
VK Professional II	'16-'22	GYZ22H	YTX20H-BS	YTX20L-BS	-	-	480	VT480TR Venture TR Electric	'98	-	YTX14AHL-BS	-	-	SYB14L-A2*
1000	Apex	'06-'18	GYZ16H	YTX14H-BS	YTX14-BS	-	400	Transpotr Lite	'21-'23	GYZ20H	YTX20H-BS	-	-	-
Attak, GT	'06-'07	GYZ16H	YTX14H-BS	YTX14-BS	-	-	400	Venom	'21-'22	GYZ20H	YTX20H-BS	-	-	-
RS1000S, GT, RS	'06-'14	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	340	CS340 Ovation Deluxe/LE	'89-'00	-	YTX14AHL-BS	-	-	SYB14L-A2*
RX1000R RX (All Models)	'03-'05	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	340	EC340 Excel III	'81-'88	-	YTX14AHL-BS	-	-	SYB14L-A2*
Sidewinder (All Models)	'17-'22	GYZ22H	YTX20H-BS	-	-	-	340	ET340E Enticer	'79	-	YTX24HL-BS*	-	-	Y50-N18L-A-CX
973	(RS)Vector all models	'05-'09	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	340	ET340E Enticer	'80	-	YTX14AHL-BS	-	-	SYB14L-A2*
RS Viking Professional, VK Pro.	'06-'15	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	300	CF300 Inviter	'86-'90	-	-	-	-	YB16AL-A2
RS Venture	'05-'08	GYZ20HL	YTX20HL-BS	YTX20L-BS	-	-	200	SXR2 Sno-Scoot	'19-'22	-	-	-	-	YTX7L-BS
Nytro	'06-'07	GYZ22H	YTX20HL-BS	YTX20L-BS	-	-	125	SV125E Sno-Sport	'90-'91	-	YTX14AHL-BS	-	-	SYB14L-A2*
700	SX700ER SX/Viper ER	'02-'05	-	YTX24HL-BS*	-	Y50-N18L-A-CX	80	SV80E Sno-Scoot	'88-'90	-	-	-	-	YB7L-B*
700	VT700 Venture 700	'98-'04	-	YTX24HL-BS*	-	Y50-N18L-A-CX								

* See Battery Cross Reference Chart on page 17

† This battery includes a sensor

▪ Top and front terminal mounts only

CONSUMER PRODUCTS

1.2 AMP Automatic Battery Charger & Maintainer

Part No. YUA1P2AMPCH

- Automatically switches to maintenance mode when battery is fully charged
- Designed to prevent overcharging
- 5 year limited warranty



2 AMP Dual-bank Automatic Charger & Maintainer

Part No. YUA2AMPCH

- 2 independent charging stations
- Charges 6 & 12 volt batteries
- Automatic charging and maintenance maximizes battery life
- OEM-approved 5-stage charging algorithm saves time and energy
- Active desulfation to recover sulfated batteries
- Defective battery detection to eliminate surprises
- 5 year limited warranty



3 AMP Automatic Battery Charger & Maintainer

Part No. YUA3AMPCH

- Automatic charging and maintenance maximizes battery life
- OEM-approved 5-stage charging algorithm saves time and energy
- Active desulfation to recover sulfated batteries
- Defective battery detection to eliminate surprises
- 13 ft. total cable length including alligator clips
- 5 year limited warranty



Battery Charger Leads

Part No. YUA00ACC04 - 18AWG Wire, 3 amp fuse

Part No. YUA00ACC05 - 16AWG Wire, 15 amp fuse

- Compatible with all Yuasa consumer chargers and maintainers
- Support electrical accessories such as heated gear and GPS units



Jumper Cables

Part No. YUA00ACC07

- Convenient storage bag included
- Heavy duty, 8 ft., 8-gauge cables won't stiffen or freeze
- Tangle resistant, encased rubber grips for safer use



Digital Battery Print Tester



Part No. YUA00BTY01P

EASY, FAST, ACCURATE, AFFORDABLE

- Developed exclusively for powersports batteries
- Determines battery health and charge status in seconds
- Single load, dynamic resistance technology minimizes battery drain during test
- Tests both charged and discharged batteries accurately
- Digital battery tester prints recommended actions
- Charging system check
- 1 year limited warranty



TEST FLOW:

APPLICATION	12V Powersports Batteries 2.3 ~ 32AH
VOLTMETER	1.5V ~ 30V
THERMAL PRINTER	Prints results in seconds
INCLUDED ACCESSORIES	Heavy-duty Plastic Case 2 Rolls of Printer Paper 4 AA Batteries
LANGUAGES	English, French, Spanish, German, Italian, Portuguese
DIMENSION	195 (L) X 114 (W) X 50 (H) (mm)

BATTERY TEST:
12.88V

BATTERY CATEGORY:
AGM

Application:
12V

Battery Category:
a. CONVENTIONAL
b. AGM

SET CAPACITY:
20AH

GOOD & PASS:
12.79V

4 Test Results:
a. Good & Pass
b. Good & Recharge
c. Recharge & Retest
d. Bad & Replace

PRINT RESULTS?
YES

Replacement Paper Roll

Part No. YUABTY01PPR

- Thermal printing paper
- 2 rolls of printer paper



MERCHANDISING PRODUCTS

Small Display Rack

Part No. 60052

- 24" wide x 48" high x 10" deep
- Order header card separately



Small Battery Rack Header Card

Part No. YUA-SMHC



Large Display Rack

Part No. YUASARACK

- 37" wide x 62" high x 15" deep
- Order header card separately



Large Battery Rack Header Card

Part No. YUA-LGHC

Part No. YUA-LGHCM - Battery Applications



Metal Sign

Part No. YUA-888



Yuasa Smart Button

Part No. YUASMTBTN



Yuasa LED Sign

Part No. YUA-SIGN



3' x 5' Banner

Part No. YUA-001



Counter Stool

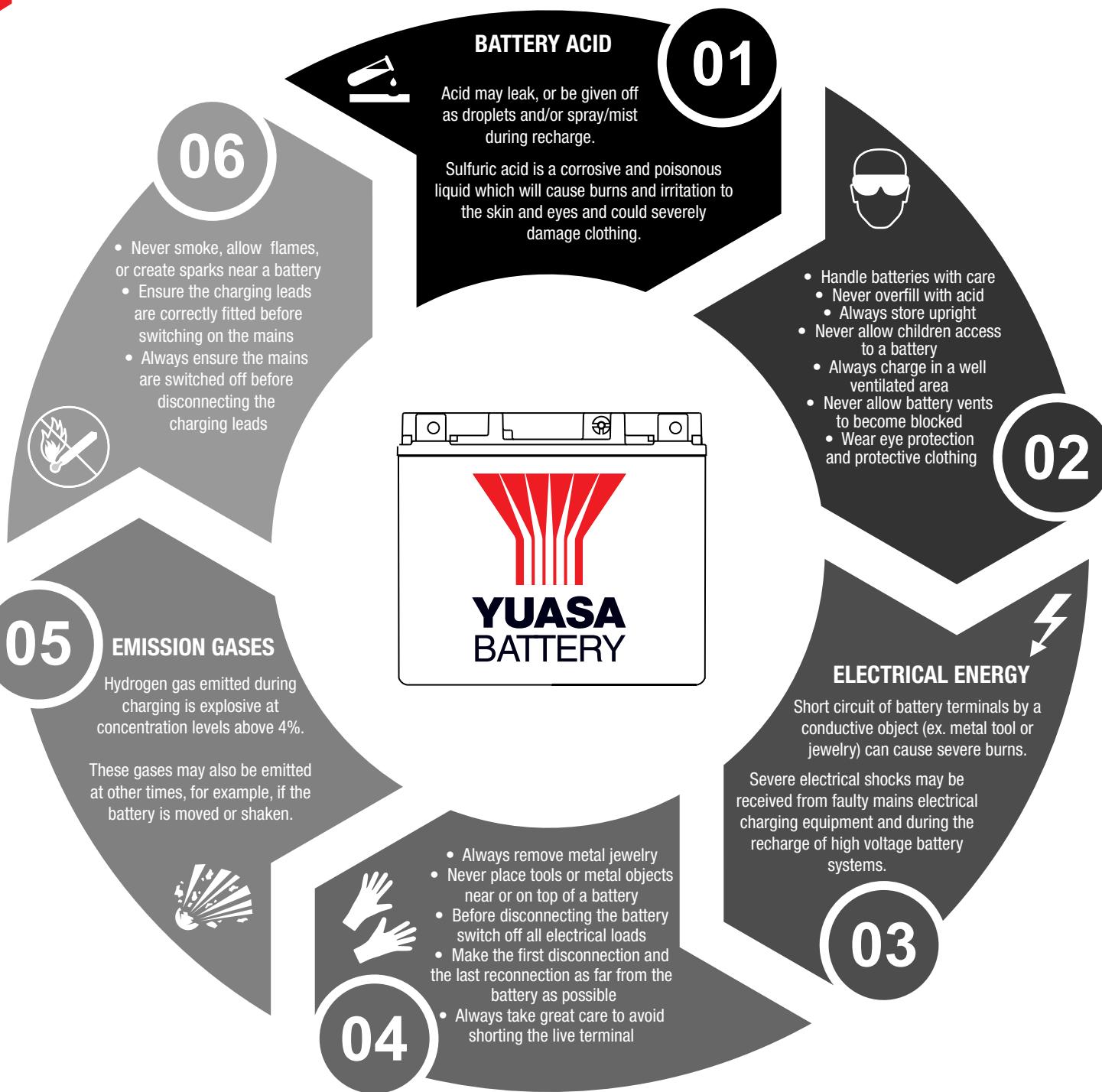
Part No. YUA-999



TECHNICAL MANUAL

Any device that stores energy can be dangerous. There is a lot of explosive power in a gallon of gasoline, but when handled with some knowledge, its use can be made relatively safe. Batteries are no different in that with the proper precautions and safety practices, they can be

handled in a safe manner. Working with batteries poses two hazards: potentially explosive gases that are given off during discharging and charging, and sulfuric acid, which is highly corrosive. The safety chart below will help keep these two hazards under control:



BATTERY CHARGING

Chemistry. During discharge, sulfuric acid is drawn from the electrolyte into the plates. This forms sulfate on the plates. Charging a battery reverses the chemical process that occurred during discharge, sending the sulfate back into the electrolyte as sulfuric acid. The electrical energy used to charge a battery is converted back to chemical energy and stored inside the battery. Battery chargers, including alternators and generators, produce a higher voltage (higher "electrical pressure") than the battery's open circuit voltage. For example, if a battery charger that outputs 14 volts is connected to a 12 volt battery, current flow will be from the charger into the battery. This high electrical pressure, or voltage, is required to push electrical current back into the battery, overcoming its open circuit voltage and thus providing charging current. The charging device (alternator, generator, or battery charger) produces excess electrons at the negative battery plates where positive hydrogen ions are then attracted to them. The hydrogen ions combine with the lead sulfate on the discharged plates to form sulfuric acid and lead, which ultimately reduces the amount of water in the electrolytic solution and increases the battery's specific gravity during the charging process.

HOW MANY AMPS?

Applying a charging current to a battery, without overheating

it, is called the "*natural absorption rate*". Because of their smaller size, when compared to automotive types of batteries, powersports batteries are more sensitive to how much current they can safely absorb. **When charging a motorcycle or other small battery, the battery charger should not exceed 3 amps.** Most automotive types of battery chargers are not suitable for charging a motorcycle battery because they output current above 3 amps. For the correct charge rate, a rule of thumb is to divide the battery's amp hour rating by 10. For example, a 14 AH battery should be charged at 1.4 amps ($14\text{AH} / 10 = 1.4$ amps).

When charging amperage exceeds the level of the natural absorption rate, the battery may overheat, causing the electrolyte solution to bubble, creating flammable hydrogen gas. Hydrogen gas, when combined with oxygen from the air, is highly explosive and can easily be ignited by a spark. Consequently, **always remember to turn the power off before connecting or disconnecting a battery charger to prevent a spark at the battery terminals!** Many battery chargers that are designed for use with small batteries have a "*no spark*" feature when being connected or disconnected from the battery. In addition to excessive out-gassing during charging, a battery that has been rapidly discharging (cranking an engine over until it's dead, for instance) may also produce excessive hydrogen gas.

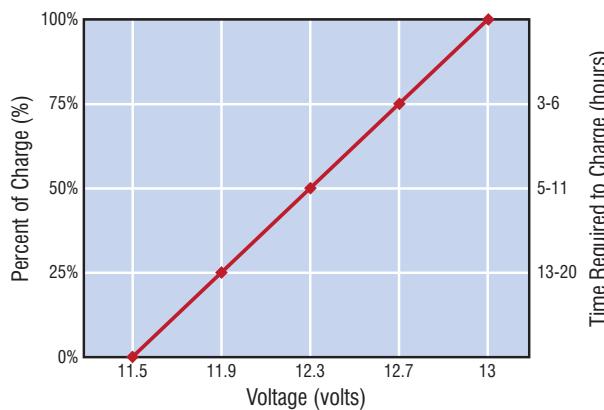
State of Charge	Charging Times					
	Battery Types					
	YB14	YB30L	YTX14	YTX20HL	YIX30L	GYZ20L
Approximate Charge Times (Hours) Using a "Trickle" (0.25 Amp) Charger						
75%	18	38	15	23	38	25
50%	35	75	30	45	75	50
25%	53	113	45	68	113	75
0%	70	150	60	90	150	100
Approximate Charge Times (Hours) Using a 1 Amp Taper Charger						
75%	8	17	7	10	17	11
50%	14	30	13	18	30	20
25%	20	42	18	25	42	28
0%	27	56	23	33	56	37
Approximate Charge Times (Hours) Using a 1 Amp Constant Current Charger						
75%	4	9	4	6	9	6
50%	9	19	8	11	19	13
25%	13	28	11	17	28	19
0%	18	38	15	23	38	25

TECHNICAL MANUAL

CHECKING A BATTERY

A routine should be established by which a battery is checked for state-of-charge and charged if necessary. Because access to the battery may be difficult on some vehicles, a permanent, quick connect/disconnect connector can be installed, allowing the battery charger to be connected to the vehicle's battery externally. When charging a battery, always refer to the instructions that come with the battery charger. While maintaining a battery at its full state-of-charge will insure optimum life, overcharging may significantly reduce the battery's life. Any of the Yuasa automatic chargers (1 AMP, 2 AMP and 3 AMP) will maintain both AGM and Conventional battery types without overcharging them. Use the following guidelines for charging AGM and Conventional batteries:

- Always verify battery state-of-charge before charging, and 30 minutes after charging.
- A battery charger has been disconnected from the battery for one to two hours, a fully charged Conventional battery should read 12.6 volts or higher.
- AGM batteries may have slightly higher voltage readings after a full charge.



The approximate charging times are shown using a constant current charge (Yuasa charger) at the amps specified on the battery.

Do not overcharge. Because of the characteristics of an AGM battery, too much of a boost charge, or overcharging will decrease the volume of electrolyte. The longer the overcharge time, the greater the drop in electrolyte and starting power. The battery is sealed, water can not be added to make up the difference in the loss of electrolyte.

In addition, overcharging can warp cell plates making future charging difficult or impossible. To prevent overcharging, track charging times carefully, or ideally, use one of Yuasa's Automatic Chargers. Always stop charging if the battery case becomes too hot to touch. Let it cool down 6 to 12 hours and resume charging. Charging times will vary depending on charger type and battery size. **Caution:** *Always wear safety glasses when handling batteries and charge them in a well-ventilated area.*

CHARGING A DEEPLY DISCHARGED BATTERY

Batteries with an open circuit voltage below 11.5 volts may require a special charger and procedures to recharge. Deeply discharged batteries will have high internal resistance, making normal battery charging difficult. It may be necessary to use a charging voltage higher than normal to get the battery to accept a charge. The Yuasa Automatic 12V 4 AMP battery charger is capable of charging at a rate of 20 volts and has two current settings. Whether you use a Yuasa charger or another charger, charge the battery for 30 minutes and then measure the open circuit voltage. If the voltage reading has not increased (indicating that charging has taken place) the battery must be replaced. If the battery is accepting a charge, continue charging. During this process, if the battery's case temperature becomes too high (about 140° F) charging should be stopped or charging current should be reduced. The process of charging a deeply discharged battery may take up to 20 hours or more.

POINTS TO REMEMBER

- Prolonged discharge causes harmful sulfation and may damage a battery
- Discharged (dead) batteries are prone to freezing in cold temperatures
- Short trips may not provide enough battery charging time
- Always verify the state-of-charge 30 minutes after charging
- Storing batteries in high temperatures will cause damage to the battery
- Never exceed 3 amps when charging a motorcycle, or other small battery

HOW TO ACTIVATE AN AGM BATTERY

Yuasa AGM batteries leave the factory either FA or BS:

- **Factory Activated (FA)** – the battery is filled with electrolyte, sealed and charged at the factory. These batteries must be used within a period of time and cannot be stored indefinitely.
- **Bottle Supplied (BS)** – dry AGM batteries are shipped with the electrolyte stored in a plastic container. The battery is filled with electrolyte from the container when it's ready to be activated. AGM dry batteries have a shelf life of 5 years from the manufacturer, as long as they remain sealed. Proper seal for AGM batteries means a foil sealing strip in place on the battery without damage or flaw. Once a battery is unsealed it should be activated, charged, and installed. The plates of an unsealed battery will begin to oxidize, making it more difficult to charge later.

Activating an AGM battery (BS) is a simple process and differs from activating a Conventional battery. Non-activated AGM batteries can be stored for long periods of time as long as they are kept in a cool, dry location and out of direct sunlight. Also the foil sealing strip covering the filler ports should not be removed until the battery is ready to be activated. Use only the electrolyte container that comes with the battery for filling the cells as it has a higher concentration of sulfuric acid than the acid used for Conventional batteries.

It's also important to note that not all electrolyte containers are created equal. Typically, each contain has the proper amount of electrolyte for its specific battery. Always read the precautions and instructions on the electrolyte container before handling and filling your AGM battery.

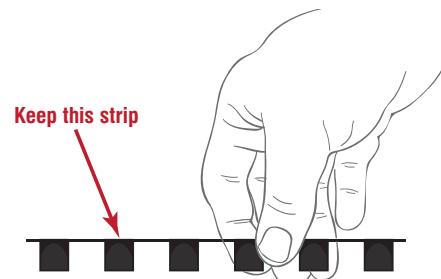
Do not smoke when activating a battery or handling battery acid. Always wear plastic gloves and protective eye wear.



The electrolyte container that is shipped with a dry AGM battery contains the correct amount of battery acid and is more concentrated than the electrolyte used in a conventional battery.

THE 7-STEP PROCESS TO ACTIVATE AN AGM BATTERY:

1. The battery must be out of the vehicle and placed on a level surface.
2. Remove electrolyte container from the plastic storage bag. Remove the strip of caps and set it aside as it will be necessary later in the process. When filling your AGM battery use only the dedicated acid container that comes with the battery as it contains the proper amount of electrolyte for that specific battery. This is important to service life and battery performance. **Do not pierce, or otherwise open the foil seals on the electrolyte container. Do not attempt to separate the individual electrolyte containers.**



Do not puncture the foil seal or remove it prior to filling a dry AGM battery.

TECHNICAL MANUAL

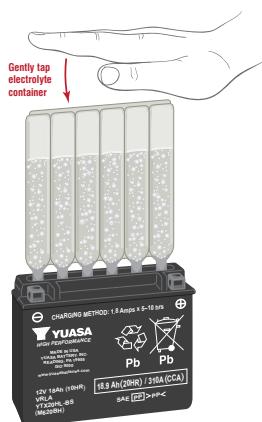
BATTERY ACTIVATION

3. Place the electrolyte container with the foil seals facing down into the cell filler ports on the battery. Hold the container level and push down to break the foil seals. Electrolyte will start to flow into the battery and air bubbles will be seen inside the container. **Do not tilt the electrolyte container.**

4. Check the electrolyte flow. **Keep the container in place for 20 minutes or longer until it empties completely.** If no air bubbles are coming up from the filler ports, or if container cells haven't emptied completely after 20 minutes, tap the container gently and/or battery case a few times to cause the electrolyte to flow into the battery. Do not remove the acid container from the battery until it is completely empty. The battery requires the entire electrolyte from the container for proper operation.

Bubbles will appear as the electrolyte container fills the battery indicating the flow of battery acid. Tap the container periodically to keep the electrolyte flowing until the container is completely empty.

Never puncture the top of the acid container to speed up the filling process.



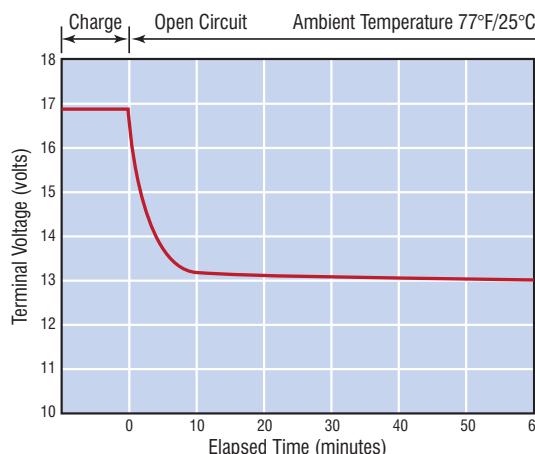
5. Carefully remove the empty electrolyte container from the battery. Fully insert the strip of sealing caps (previously removed from the electrolyte container) into the battery filling ports. Make sure the strip of caps is fully inserted and flush with the top of the battery. Insert the caps by hand, do not use a hammer or excessive force. **Never remove the strip of caps or add water or electrolyte to the battery during its service life.**



After filling, the sealing caps should be installed using hand pressure only. The sealing cap should never be removed once the battery is activated.

6. **For batteries with ratings of less than 18 AH, let the battery stand for 20 to 60 minutes.** For batteries with higher AH ratings, and/or having the **High Performance rating (designated by an "H" in the part number/name)** **allow the battery to stand for 1 to 2 hours.** Yuasa AGM batteries have the amp hour (AH) printed on the front of the battery case. The stand, or rest period, allows the electrolyte to permeate into the plates for optimum performance.

7. **Newly activated AGM batteries require an initial charge.** After adding electrolyte, a new battery is approximately 75-80% charged. After the "stand" period (step 6), charge the battery to bring it to a full state-of-charge. The battery charger used for initial charging should be able to charge at 12.8+ volts for an AGM battery. All Yuasa battery chargers are capable of reaching this minimum voltage and initializing/activating an AGM battery.

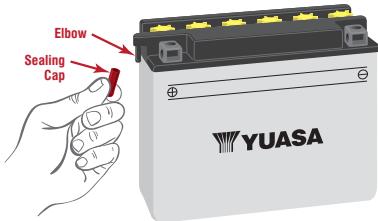


During the initial charging period, battery voltage may reach over 16 volts. Open circuit voltage should be checked after the battery is allowed to stand between 1 and 2 hours.

HOW TO ACTIVATE A CONVENTIONAL BATTERY

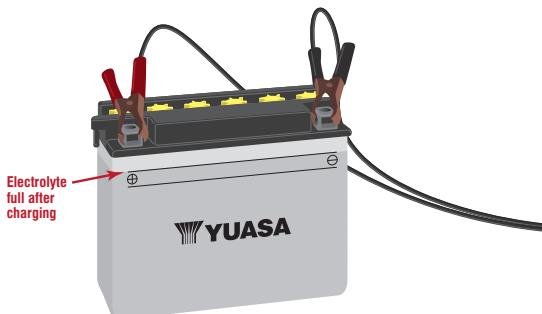
Sealed at the Yuasa factory, a new Conventional battery has shelf life of 2 years from manufacturer as long as it remains sealed (filler caps and red vent cap installed) and is stored at room temperature. Once the battery is unsealed, it should be activated and put into service. The cell plates on an unsealed, uncharged battery will oxidize making charging difficult and reducing the service life of the battery.

- The battery must be out of the vehicle and placed on a level surface. Remove filling caps (red, yellow or green colored battery caps).
- Remove the red sealing cap from the vent elbow.** If the battery has a red cap on the vent elbow, remove it and throw it away. Never put this cap back on the battery after it is filled with acid as the buildup of internal gas pressure can cause the battery case to rupture.



Always remove the red sealing cap from the vent elbow before filling and activating the battery.

- Using the acid bottle supplied with the battery, place the container upright on a flat surface. Carefully cut off the tip of the bottle's spout and attach the short tube provided. **Caution: Do not squeeze the bottle when cutting the fill tip.** *Do not smoke when activating a battery or handling battery acid.* Always wear plastic gloves and protective eye wear.
- Fill the battery with electrolyte supplied with the battery. Do not use water or any other liquid to activate a battery. Electrolyte should be between 60° F and 86° F before filling. If electrolyte is stored in a cold area, it should be warmed to room temperature before filling. Fill to the UPPER LEVEL as indicated on the battery. *NOTE: Never fill/activate a battery installed in a vehicle as electrolyte spillage can cause damage.*



Make sure that the acid level is to the upper mark after the battery is initially charged. If the level is low fill with electrolyte.

- Fill each battery cell slowly and carefully to the highest level line.
- Let the battery stand for at least 30 minutes after filling. Move or gently tap the battery so that any air bubbles between the plates will be expelled. If the acid level has fallen, refill with acid to upper level.

Post-Fill Stand Time	
Amp-Hour	Stand Time
<18	30-60 minutes
>18	1-2 hours
High Performance	1-2 hours

- Filling a Conventional battery with electrolyte will bring it to 75-80% of a full charge. **A battery must be charged to 100% before putting it into service.** To find recommended charging current requirements in amps for a specific battery, divide battery ampere-hour capacity rating by 10. For example a 14 AH battery should be charged at 1.4 amps ($14\text{ AH} \div 10 = 1.4$ amps). The specific gravity of the electrolyte should rise to at least 1.260 on 12N series batteries. On all High Performance batteries (YB Series) a minimal reading of 1.280 should be observed.
- During initial charging, check to see if the electrolyte level has fallen, and if so, fill with acid to the UPPER LEVEL. After adding acid, charge for another hour at same rate as above to mix the water and acid together. Note: This is the last time electrolyte should be added to the battery. If the level is low during use, distilled water should be added as required.
- When charging is complete, replace filler cap plugs and tighten by hand—**do not use a screwdriver or pliers.** Wash off spilled acid with a water and baking soda solution, paying particular attention that any acid is washed off the terminals. Dry the battery case and install the battery.

TECHNICAL MANUAL

BATTERY INSTALLATION

In most applications, batteries should be installed in an upright position. If there is any question regarding a particular vehicle/battery/installation please contact us for our specific recommendations before installation. www.yuasabattery.com

AGM batteries that come with separate acid packs that are used to fill and activate the battery should not be installed in any position other than upright, as possible electrolyte leakage may occur. Also, **Conventional and Yumicron batteries should never be installed in any position other than upright as their liquid electrolyte will leak from the battery case causing damage to the vehicle.**

Disclaimer: Yuasa batteries are to be mounted in a position identical to the position in which they were mounted in the vehicle by the manufacturer. Any position other than the "0°" position (upright) requires a "non-spillable" "Factory Activated" battery.

Yuasa Battery assumes no responsibility for damages and/or injuries incurred due to a battery being mounted in a position other than what was originally used in the vehicle by the manufacturer. All "-BS" and Conventional "Flooded" batteries are to be mounted in the "0°" (upright) normal/center position.



INSPECTING A BATTERY

Battery testing should begin with an inspection of the battery using the following steps:

- **Make sure the top of the battery case is clean and dry.** If the case of a battery is dirty it can cause the battery to discharge through the grime on top of the case. Use a soft brush and water and soap or a solution of baking soda and water to clean the battery case or terminals. On a Conventional battery, make sure filler

cap plugs are finger tight so cleaning materials will not enter the cells and neutralize the acid.

- **Inspect battery terminals, screws, clamps and cables for problems including: breakage, corrosion or loose connections.** Clean the terminals and clamps with a wire brush. Once battery cables are installed, dielectric grease (available at most auto parts stores) or clear lacquer from a spray can applied to the terminals will help prevent oxygen from causing corrosion on the battery terminals.
- **Inspect the battery case for obvious damage such as cracks or leaks;** look for discoloration, warping or raised battery case top, which may indicate that battery has overheated or been overcharged.
- **For Conventional batteries, check electrolyte level and add distilled water if necessary. Don't add acid—only distilled water.** Before any testing, charge the battery so the water and acid mix.



- **If equipped, check the battery vent tube.** Make sure it's not kinked, pinched or otherwise obstructed. On a motorcycle, it should exit away from the drive chain and from below the swing arm. Small cuts in the tube near the battery vent are OK; they form an emergency escape for trapped gas in case the vent tube becomes obstructed.

BATTERY TESTING – HYDROMETER

Conventional batteries have filler caps which their state-of-charge can be checked using a hydrometer by measuring specific gravity. If, after charging, the battery's specific gravity does not increase to indicate a full charge, the battery should be replaced.

A hydrometer measures the ratio of sulfuric acid to water, or the specific gravity of the electrolyte. The specific gravity for pure water is 1.000 and sulfuric acid has an specific gravity of 1.835. Combined, their specific gravity is controlled at 1.280.

Yumicron batteries use sulfate stop, a chemical additive that increases battery life by reducing sulfate buildup. Sulfate stop may cause a slight increase in specific gravity readings for these types of batteries. **A battery's specific gravity changes with temperature.** Ideally, readings should be taken at 77° F. If the temperature is much colder or hotter, a conversion factor can be used to obtain an accurate reading. Add .001 to the specific gravity for every 3° F above 77° F and subtract .001 from the specific gravity for every degree below 77° F. Specific gravity has a direct relationship to battery cell voltage. By adding .84 to the specific gravity number, the cell voltage can be calculated. For example, an specific gravity of $1.280 + .84 = 2.12$ volts. Multiply 2.12 volts x 6 (six cells for a 12 volt battery) and the result is 12.72 volts—indicating a fully charged battery.

BATTERY TESTING – DIGITAL BATTERY PRINT TESTER



Yuasa's digital battery print tester uses single load dynamic resistance technology to calculate battery performance. The test provides information on open circuit voltage, state-of-charge, both charged and discharged batteries and system check. Before testing be sure to:

- Make sure the area around battery is well ventilated while battery is being tested.
- Clean battery terminals. Be careful to keep corrosion from coming in contact with eyes.
- Inspect the battery for cracked or broken case or cover
- If battery is damaged, do not use tester.

- If the battery is not sealed maintenance free, add distilled water in each cell until battery acid reaches level specified by the manufacturer. This helps purge excessive gas from cells. Do not overfill.
- If necessary to remove battery from vehicle to test, always remove ground terminal from battery first. Make sure all accessories in the vehicle are off to ensure you do not cause any arcing.

DIGITAL BATTERY TESTER INSTRUCTIONS

- When testing a battery in a powersports vehicle, turn off the vehicle and all accessory loads. The battery will hold surface charge if the engine has been running for a while or after the battery has just been charged. For a battery in a powersports vehicle, please turn on the headlights for 30 seconds to remove the surface charge.
- Make sure the battery terminals are clean. Wire brush them if necessary. Clamp the black load lead to the vehicle negative battery terminal. Clamp the red load lead to the vehicle positive battery terminal.
- Make sure you insert 4 AA batteries into the battery chamber located on the back of the tester. Oxyride batteries are not recommended because of the initial 1.7 volt output. If the 1.5 volt battery runs out of power, screen will show “REPLACE INTERNAL BATTERY” or “POWER LOW”. Replace those 4 AA batteries before starting the test.
- You will see the battery voltage measured as connecting to battery. Press «ENTER» key

BATTERY VOLT
XX.XX
- Press ▲▼ key to select the battery type:
 - STAND
 - VRLA/MF/AGM/SLA
 - Press «ENTER» to confirm choice

BATTERY TYPE
STANDARD SLI
- Press ▲▼ key to input the battery capacity of AH: 2~35
Press «ENTER» to begin the test
- Press the ▲▼ key to select battery charged: Yes or No
Press «ENTER» to confirm choice

TECHNICAL MANUAL

When test is completed, the display shows the actual volts, SOH (state of health) or SOC (state of charge). One of six results will be displayed:

GOOD & PASS

The battery is good & capable of holding a charge.

GOOD & RECHARGE

The battery is good but needs to be recharged.

RECHARGE & RETEST

Battery is discharged. The battery condition cannot be determined until it is fully charged. Recharge & retest the battery.

BAD & REPLACE

The battery will not hold a charge. It should be replaced immediately.

BAD CELL & REPLACE

The battery has at least one cell short circuit. It should be replaced immediately.



Part No. YUABTY01PPR

LOAD ERROR

The tested battery is bigger than 200 AH, or the clamps are not connected properly. Please fully charge the battery and retest after excluding both previous reasons. If reading is the same, the battery should be replaced immediately.

PAPER LOAD STEPS

Open the clear cover. Insert paper to the paper feeding for running the paper into printer automatically.

STEP 1

Clamp to the battery

STEP 2

Open the clear cover

STEP 3

Feed the paper into the paper slot until it runs automatically

GOOD & PASS
XX.XXV

GOOD & RECHARGE
XX.XXV

RECHARGE & RETEST
XX.XXV

BAD & REPLACE
XX.XXV

BAD CELL & REPLACE
XX.XXV

LOAD ERROR

SYSTEM TEST
XX.XXV

TURN OFF ACC.
START ENGINE

CRANKING VOLTS
XX.XXV NORMAL

CRANKING VOLTS
XX.XXV LOW

CRANKING VOLTS
NOT DETECTED

PRESS ENTER FOR
= CHARGING TEST =

MAKE SURE ALL
ACC. ARE OFF

ALT. IDLE VOLTS
XX.XXV LOW

ALT. IDLE VOLTS
XX.XXV NORMAL

SYSTEM CHECK

- Press «ENTER» key, you will view the screen

- Turn off all powersports vehicle accessories such as lights, radio, etc. before starting the engine

- When the engine is started, one of the three results will be displayed along with the actual reading measured:

CRANKING VOLTS NORMAL

The system is showing normal draw.
Press «ENTER» to perform the charging system test.

CRANKING VOLTS LOW

The cranking voltage is below normal limits,
troubleshoot the starter with manufacturers recommended procedure.

CRANKING VOLTS NOT DETECTED

The cranking voltage is not detected.

- If the cranking voltage is normal, press «ENTER» to begin charging system test

- Press the «ENTER» button, you will view the screen

- Press «ENTER» key, one of the three results will be displayed along with the actual reading measured.

LOW CHARGING VOLTS WHEN TEST AT IDLE

The alternator is not providing sufficient current to the battery. Check the connections from the alternator to the battery. If the connection is loose or heavily corroded, clean or replace the cable and retest. Contact qualified technician if condition remains the same.

CHARGING SYSTEM NORMAL WHEN TEST AT IDLE

The system is showing normal output from the alternator. No problem is detected.

HIGH CHARGING VOLTS WHEN TEST AT IDLE

The voltage output from the alternator to the battery exceeds the normal limits of a functioning regulator. Check to ensure there is no loose connection and the ground connection is normal. If there is no connection issue contact a qualified technician.

ALT. IDLE VOLTS
XX.XXV HIGH

- Following the charging system at idle, press «ENTER» for the charging system with accessory loads. Turn on high beam headlights.

EXCESS RIPPLE DETECTED

One or more diodes in the alternator are not functioning or there is stator damage. Have the alternator tested and repaired or replaced.

TURN ON LOADS
AND PRESS ENTERRIPPLE DETECTED
XX.XXV HIGH

CHARGING SYSTEM HIGH WHEN TESTED WITH ACC.

The voltage output to the battery exceeds the normal limit of a functioning regulator. Check to make sure there are no loose connections and the ground connection is correct. If there are no connection issues, replace the regulator; since most regulators are now built into the alternator this will require the alternator to be replaced.

ALT. LOADS VOLTS
XX.XXV HIGH

CHARGING SYSTEM LOW WHEN TESTED WITH ACC.

ALT. LOADS VOLTS
XX.XXV LOW

The alternator is not providing sufficient current for the system's electrical loads and the charging current for the battery. Check the connections from the alternator to the battery, if the connections are loose or heavily corroded clean and replace the cable and retest. If the condition still exists see a qualified technician.

BATTERY MAINTENANCE

AGM BATTERIES do not have to be checked as often as Conventional batteries—about every three months, or three months from the date of battery activation at the factory if stored at room temperature. Higher storage temperatures cause faster self-discharge and requires that batteries be checked more often. The battery will last longer if it is 100% charged most of the time and any of the Yuasa automatic chargers will maintain a battery for optimum performance and long service life. AGM batteries have a predetermined quantity of electrolyte added at the factory or in the field specified for the battery. Once activated, the battery is permanently sealed and must never be opened. The addition of water is never required for an AGM battery. **The single most important aspect to maintaining an AGM battery is to not let it sit discharged for long periods of time—keep it fully charged for peak performance.**

CONVENTIONAL BATTERIES should be checked for state-of-charge about once per month if not used on a regular basis. Recharging may be required if the vehicle is not used for more than two weeks or if the starter turns slower than usual when starting the engine. A Conventional battery requires the periodic addition of distilled water when the electrolyte level becomes low. Water loss is normal in these batteries through the process of electrolysis and evaporation. Low electrolyte levels that expose the lead plates to the air will result in

permanent damage to the battery. Maintain the electrolyte levels above the minimum fill lines on the battery and at or below the maximum line. Clean terminals and connectors as necessary and make sure the vent tube is free of kinks or clogs. Always replace filler caps and finger-tighten only.

BATTERY STORAGE

If the vehicle is in storage or used infrequently, disconnect the battery cable to eliminate current drain from electrical equipment. Check the battery every month (for Conventional types) and every three months for AGM batteries. If open circuit voltage indicates a low state-of-charge, charge the battery. **Temperatures below 60° F or above 80° F may require more frequent inspections and/or charging.**

SULFATION AND FREEZING

The two most common reasons that batteries can become damaged are sulfation and freezing. These are not a problem if the battery is properly charged, and for Conventional batteries the water level is maintained. Battery sulfation takes place for two reasons: continuous discharging, or low electrolyte levels. When a battery discharges, the lead in the plates turn into lead sulfate. The lead sulfate is actually a crystal which grows larger when the discharge is continuous and uninterrupted. In a Conventional battery, low electrolyte levels expose the cell plates to air causing the lead material to oxidize and form sulfates.

In either case it doesn't take long before the battery won't hold a charge. Low electrolyte levels cause another problem because the acid in the electrolyte becomes more concentrated, causing the active material to corrode and fall to the bottom of the battery case. If this condition takes place over a long enough time period, the process will internally short out the battery.

Electrolyte Freezing Points

Specific Gravity of Electrolyte	Freezing Point
1.265	-75°F
1.225	-35°F
1.200	-17°F
1.150	+5°F
1.100	+18°F
1.050	+27°F

A battery that is fully charged can be stored at low temperatures without freezing. This chart shows that as specific gravity (state-of-charge) decreases, the battery will freeze at a higher temperature.

For added protection, Yuasa's Yumicron and AGM batteries are treated with a special chemical formula called "Sulfate Stop." This dramatically reduces sulfate crystal buildup on cell plates resulting in longer battery life. For example, Yuasa conducted a test on two batteries; one with sulfate stop, and the other without. Both batteries were under the constant discharge of a 10-watt bulb for a week. The battery with sulfate stop was charged with a 90% recover rate. The untreated battery could not be charged enough to put it back into service.

Freezing is not a problem with a fully charged battery. However if the battery becomes discharged (and the acid in the electrolyte turns into mostly water) the electrolyte will freeze. Freezing can cause a condition called "mossing" which is indicated by small red lines on the battery plates. Freezing can also crack the battery case and buckle the plates permanently damaging the battery. A fully charged battery can be stored at subfreezing temperatures with no damage. As the chart on this page indicates, a fully charged battery will not freeze unless the temperature drops below -75° F. By contrast a discharged (dead) battery will freeze at only 27° F. That's a difference of more than 100 degrees between the low temperatures a charged and discharged battery can withstand.

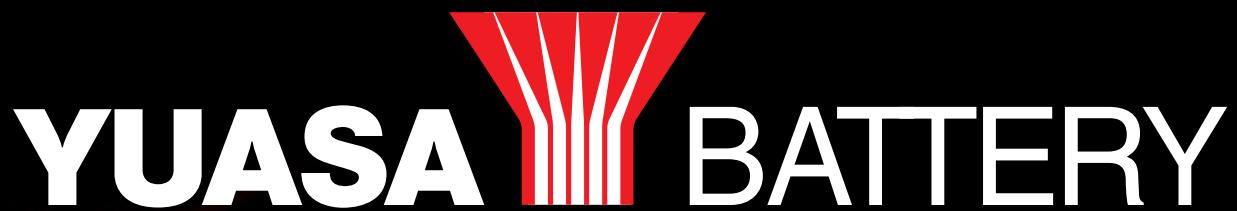












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