



**MOTORCYCLE
& POWERSPORT
BATTERY**

APPLICATION
& SPECIFICATION
GUIDE



World number one for motorcycle batteries

The range



High Performance Maintenance Free

If high power is top priority in a replacement battery, look to Yuasa's High Performance Maintenance Free batteries. Yuasa means more power, less maintenance and longer life. Yuasa's High Performance Maintenance Free batteries are your best choice for motorcycles, utility vehicles, scooters, ATVs, riding mowers, personal watercraft and snowmobiles.

All the features of a standard maintenance free.
PLUS INCREASED POWER – Up to 30% more cranking amps.
Thanks to a radial grid design and additional plates.

High Performance Maintenance Free Start-Stop



Designed and constructed to meet the special needs of newly developed start-stop systems in motorcycles and scooters:

- **Used by major manufacturers**
- **Original Equipment** quality, performance & specification
- **Permanently sealed** VRLA battery
- **Small size** with high performance
- **Quick recharge** capability and high capacity



Maintenance Free VRLA

VRLA (Valve Regulated Lead Acid) means a battery that's perfect for people who have better things to do than battery maintenance! Our permanently sealed VRLA battery never needs refilling; however, it still needs periodic charging. Ideal for motorcycles, scooters, ATVs, riding mowers and personal watercraft.

- **Spill-proof design** means virtually no possibility of leaks
- **Advanced lead-calcium technology** pumps up starting power
- **Sulphation retardant** dramatically reduces battery-killing plate sulphation
- **Long lasting** which means Yuasa's High Performance Maintenance Free batteries will last up to three times longer than conventional batteries
- **Exceptional resistance to vibration** makes Yuasa the most reliable battery on the market today
- **VRLA batteries hold voltage longer** and need less charging in standby or storage mode



YuMicron CX

For increased power, less maintenance and longer life, YuMicron CX is the battery of choice. The first motorcycle battery built on lead-calcium technology, YuMicron CX is specially designed for today's big, complex vehicles, where higher cranking power is a must. It delivers all the features of the standard YuMicron – plus...

- **Unique CX design** for higher cold cranking amps
- **Lead-calcium technology** reduces water loss – and servicing – by 66% compared to lead antimony
- **And, CX substantially reduces self-discharge** – for longer time between charges



YuMicron

Personal watercraft, snowmobiles and ATVs make special demands – and YUASA's YuMicron Battery meets them head-on. The high-tech, power-boosting design also makes YuMicron ideal for accessory-laden touring bikes and modified vehicles.

- **Heavy duty glass mat** resists vibration damage
- **Special thin separator** packs in extra plates, delivers up to 30% more cranking power than conventional types
- **Through-the-wall intercell connector** minimises internal resistance, maximises power
- **Sulphate Stop** curbs plate sulphation – and provides longer life

Can't find your vehicle listed?
Visit www.yuasa.com for our latest application data

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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 catalogue the replacement battery information contained in this book, Yuasa denies any liability for damage caused 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.

Features & Benefits

Component	Features	Benefits
Cast Grid	Special Grid Design	Severe vibration resistance & improved conductivity
Active Material	Proprietary Formulation	Reduced shedding, maximum utilisation, & long service life
Pasted Plates	Specified Thickness & Weight	Ensures vibration resistance through precise compression & proper service life through specified active material balance
Dry-Charged Plates	Tank Formed & Dried Plates	Properly dried plates in a sealed battery have a virtually limitless shelf-life, while still retaining 70-80% state of charge when initially filled with acid
Top Lead Connections	Through-Partition Construction, Large Straps	Shorter current path for increased electrical conductivity & higher starting currents, heavier parts for maximum durability
Case-Cover Seal	Thermal Bonded Plastic	Air tight seal to prevent air ingress & acid seepage
Terminal-Cover Seal	Patented Poly-Seal Terminal	Eliminates acid seepage, reduces corrosion, & extends battery life
Case & Cover	Polypropylene	Superior resistance to gasoline & oil, impact resistant in extreme weather conditions
Additive	Sulphate Stop (Some models)	Sulphate stop added to reduce the solubility of lead into the acid, which then reduces battery sulphation potential
YuMicron		
Separator	Leaf or Envelope Separator	Polyethylene with glass mat sheet bonded for compression to withstand severe vibration conditions
YTX		
Separator	Absorbed Glass Mat	Absorbs acid while creating cell compression for extreme vibration resistance
Top Lead Alloy	Calcium Alloy	Increased weld strength & severe vibration resistance
Vent System	Valve & Flame Arrestor	Valve relieves excess pressure to prevent bursting, flame arrestor prevents internal combustion
High Performance Maintenance Free		
Grid System	Computer-Designed Radial Grids	Increased conductivity for higher starting wattage, increased vibration resistance
Separator	Puncture Resistant AGM Material	High puncture resistant separator for increased service in high vibration applications

World number one for motorcycle batteries

Specifications

Battery Type	NOTE	Pack Type	Capacity Ah (10HR)	Capacity Ah (20HR)	Dimensions - mm (\pm 2mm)			Weight with Acid (Kg)	Acid Volume (Litre)	Charge Current (Amps)	CCA* @ -18°C	Terminal Type (refer to page 10)	Assembly Figure
					L	W	H						

HIGH PERFORMANCE MAINTENANCE FREE

YTX14AH-BS	(ii)	CP	12	12.6	134	89	166	4.9	0.66	1.2	210	4	
YTX14AHL-BS		CP	12	12.6	134	89	166	4.9	0.66	1.2	210	4	
YTX14H-BS		CP	12	12.6	150	87	145	4.8	0.69	1.2	240	4	
YTX20CH-BS		CP	18	18.9	150	87	161	6.1	0.82	1.8	270	4	
YTX20H-BS		CP	18	18.9	175	87	155	6.3	0.93	1.8	310	4	
YTX20HL-BS		CP	18	18.9	175	87	155	6.3	0.93	1.8	310	4	
YTX20HL-BS-PW	(i)	CP	18	18.9	175	87	175	6.3	0.93	1.8	310	4	
YTX24HL-BS		CP	21	22.1	205	87	162	7.9	0.99	2.1	350	4	
YTZ4V		CP	3	3.2	113	70	85	1.6	0.18	0.3	64	5	
YTZ5S		CP/WC	3.5	3.7	115	72	86	1.6	0.19	0.1	65	5	
YTZ6V		CP	5	5.3	113	70	105	2.0	0.5	0.5	90	5	
YTZ7S		WC	6	6.3	113	70	105	2.1	N/A	0.6	130	5	
YTZ7V		WC	6	6.3	113	70	120	2.5	0.34	0.6	105	5	
YTZ8V		WC	7	7.4	113	70	130	2.7	N/A	0.7	120	5	
YTZ10S		WC	8.6	9.1	150	87	93	3.2	N/A	0.9	190	11	
YTZ12S		WC	11	11.6	150	87	110	3.7	N/A	1.1	210	11	
YTZ14S		WC	11.2	11.8	150	87	110	3.9	N/A	1.1	230	11	
GYZ16H		WC	16	16.8	150	87	145	5.6	N/A	1.6	240	5	
GYZ16HL		WC	16	16.8	150	87	145	5.6	N/A	1.6	240	5	
GYZ20L		WC	20	21.1	175	87	155	6.9	N/A	2.0	250	4	
GYZ20H		WC	20	21.1	175	87	155	7.1	N/A	2.0	320	14	
GYZ20HL		WC	20	21.1	175	87	155	7.1	N/A	2.0	320	14	
GYZ32HL		WC	32	33.7	166	126	175	11.2	N/A	3.2	500	14	
YIX30L		WC	30	31.6	166	126	175	9.9	N/A	3.0	400	5	
YIX30L-PW	(iii)	WC	30	31.6	166	126	175	9.9	N/A	3.0	400	5	
YIX30L-BS		CP	30	31.6	166	126	175	9.9	1.40	3.0	400	5	
YIX30L-BS-PW	(iii)	CP	30	31.6	166	126	175	9.9	1.40	3.0	400	5	

HIGH PERFORMANCE MAINTENANCE FREE START-STOP

YTZ6V		CP	5	5.3	113	70	105	2.0	0.5	0.5	90	5	
YTZ7V		WC	6	6.3	113	70	120	2.5	0.34	0.6	105	5	
YTZ8V		WC	7	7.4	113	70	130	2.7	N/A	0.7	120	5	

MAINTENANCE FREE

YTR4A-BS		CP	2.3	2.4	114	49	86	1.1	0.14	0.3	45	12	
YT4B-BS		CP	2.3	2.4	114	39	86.5	1.1	0.12	0.3	40	13	
YT4L-BS		CP	3	3.2	114	71	86	1.6	0.18	0.4	40	5	
YTX4L-BS		CP	3	3.2	114	71	86	1.4	0.18	0.4	50	5	
YT5A		WC	5	5.3	121	62	131	2.0	N/A	0.5	70	6	
YTX5L-BS		CP	4	4.2	115	72	107	2.0	0.24	0.5	80	5	
YT6A		WC	6	6.3	121	62	131	2.2	N/A	0.6	80	6	
YT7B-BS		CP/WC	6.5	6.8	150	65	93	2.7	0.31	0.7	110	11	
YTX7A-BS		CP	6	6.3	150	87	93	2.6	0.33	0.6	105	5	
YTX7L-BS		CP	6	6.3	115	72	132	2.5	0.33	0.6	100	5	
YT9B-BS		CP/WC	8	8.4	150	70	105	3.0	0.4	0.8	120	11	
YTX9-BS		CP	8	8.4	152	87	107	3.1	0.4	0.8	135	5	
YT12A-BS		CP/WC	10	10.5	150	87	105	3.5	0.5	1.0	175	5	
YT12B-BS		CP/WC	10	10.5	150	69	130	4.1	0.5	1.0	210	11	
YTX12-BS		CP	10	10.5	150	87	130	4.2	0.6	1.0	180	5	
YT14B-BS		CP/WC	12	12.6	150	70	145	4.6	0.6	1.2	210	11	
YTX14-BS		CP	12	12.6	150	87	145	4.6	0.69	1.2	200	5	
YTX14L-BS		CP	12	12.6	150	87	145	4.6	0.69	1.4	200	5	
YTX15L-BS		CP	13	13.7	175	87	130	4.8	0.69	1.3	230	4	
YTX16-BS		CP	14	14.7	150	87	161	5.3	0.78	1.4	230	4	
YTX16-BS-1		CP	14	14.7	150	87	161	5.3	0.78	1.4	230	1	
YTX20-BS		CP	18	18.9	175	87	155	6.7	0.93	1.8	270	4	
YTX20L-BS		CP	18	18.9	175	87	155	6.7	0.93	1.8	270	4	
YT19BL-BS		CP	17.7	19	186	82	171	5.7	0.95	1.9	170	10	

(i) Includes 20mm spacer required when replacing YB16CL-B.

(ii) Includes 10mm spacer required when replacing YB14A-A1 and YB14A-A2.

(iii) Includes 17mm spacer to fit all BRP (Sea-Doo) 1500cc 4-stroke models year 2003 and up.

* CCA (Cold Cranking Amps) rating is for reference only. CCA is a theoretically calculated value.

Actual performance may vary due to test conditions.

DC = dry charged
(contains 1 battery, acid not included)
CP = combi pack
(contains 1 battery and 1 acid pack)
WC = wet charged
(contains 1 battery acid filled and charged)

Battery Type	NOTE	Pack Type	Capacity Ah (10HR)	Capacity Ah (20HR)	Dimensions - mm (± 2 mm)			Weight with Acid (Kg)	Acid Volume (Litre)	Charge Current (Amps)	CCA* @ -18°C	Terminal Type (refer to page 10)	Assembly Figure
					L	W	H						
YUMICRON CX													
YB16-B-CX		DC	19	20.0	175	100	155	6.3	1.2	1.9	255	6	
YB16HL-A-CX		DC	19	20.0	175	100	155	6.3	1.2	1.9	255	6	
Y50-N18L-A-CX		DC	20	21.1	205	90	162	7.4	1.4	2	260	7	
YUMICRON													
YB2.5L-C		DC	2.5	2.6	81	71	106	1.0	0.25	0.3	15	-	
YB2.5L-C-1		DC	2.5	2.6	80	70	105	1.0	0.24	0.3	15	-	
YB2.5L-C-2		DC	2.5	2.6	81	71	106	1.0	0.24	0.3	15	-	
YB3L-A		DC	3	3.2	99	57	111	1.3	0.3	0.3	30	6	
YB3L-B		DC/CP	3	3.2	99	57	111	1.3	0.3	0.3	30	6	
YB4L-A		DC	4	4.2	120	70	92	1.5	0.3	0.4	45	5	
YB4L-B		DC/CP	4	4.2	121	71	93	1.5	0.3	0.4	45	5	
YB5L-B		DC/CP	5	5.3	121	61	131	2.0	0.36	0.5	60	6	
YB6L-B		DC	6	6.3	138	72.5	100	2.1	0.4	0.6	65	6	
YB7-A		DC/CP	8	8.4	136	75	133	3.0	0.6	0.8	105	6	
YB7B-B		DC/CP	7	7.4	152	61	132	3.1	0.5	0.7	80	6	
YB7C-A		DC/CP	7	7.4	130	90	114	3.0	0.6	0.8	75	3	
YB7L-B		DC/CP	8	8.4	135	75	133	2.9	0.6	0.8	75	6	
YB7L-B2		DC	8	8.4	135	75	133	2.9	0.6	0.8	75	4	
YB9A-A		DC	9	9.5	135	75	155	3.1	0.6	0.9	115	6	
YB9L-A2		DC/CP	9	9.5	135	75	139	3.1	0.6	0.9	100	2	
YB9-B		DC/CP	9	9.5	137	77	141	3.1	0.6	0.9	115	6	
YB9L-B		DC	9	9.5	137	77	141	3.1	0.6	0.9	115	6	
YB10A-A2		DC	11	11.6	135	90	155	4.0	0.8	1.1	120	8	
YB10L-A2		DC/CP	11	11.6	135	90	145	4.2	0.8	1.1	120	8	
YB10L-B		DC/CP	11	11.6	135	90	145	4.0	0.8	1.1	120	6	
YB10L-BP		DC	12	12.6	135	90	145	4.0	0.8	1.1	165	6	
YB10L-B2		DC	11	11.6	135	90	145	4.0	0.8	1.1	120	8	
YB12A-A		DC/CP	12	12.6	134	80	160	4.1	0.8	1.2	150	6	
YB12A-AK		DC	10	10.5	134	80	160	3.5	0.8	1.0	165	6	
YB12AL-A		DC	12	12.6	136	82	162	4.0	0.8	1.2	150	6	
YB12AL-A2	(i)	DC/CP	12	12.6	134	80	160	4.0	0.75	1.2	150	8	
YB12A-B		DC/CP	12	12.6	134	80	160	4.0	0.75	1.2	150	6	
YB12B-B2		DC	11	11.6	160	90	130	4.0	0.8	1.2	140	8	
YB12C-A		DC	12	12.6	134	80	175	4.3	0.8	1.2	150	4	
YB14-A2		DC/CP	14	14.7	134	89	166	4.6	0.9	1.4	175	8	
YB14-B2		DC/CP	14	14.7	134	89	166	4.6	0.9	1.4	175	8	
YB14A-A1		DC	14	14.7	134	89	176	4.5	0.9	1.4	175	6	
YB14A-A2		DC/CP	14	14.7	134	89	176	4.5	0.9	1.4	175	8	
YB14L-A		DC	14	14.7	134	89	166	4.6	0.9	1.4	190	6	
YB14L-A1		DC	14	14.7	134	89	166	4.6	0.9	1.4	175	1	
YB14L-A2		DC/CP	14	14.7	136	91	168	4.6	0.9	1.4	175	8	
YB14L-B2		DC/CP	14	14.7	136	91	168	4.6	0.9	1.4	175	8	
SYB14L-A2		DC	14	14.7	134	89	166	4.6	0.9	1.4	175	8	
SYB14L-B2		DC	14	14.7	134	89	166	4.6	0.9	1.4	175	8	
YB16AL-A2		DC/CP	16	16.8	207	71.5	164	5.3	1.1	1.6	210	2	
HYB16A-AB		DC	16	16.8	151	91	180	5.0	0.9	1.6	190	7	

(i) - Includes a terminal adaptor for converting to top mount.

* CCA (Cold Cranking Amps) rating is for reference only. CCA is a theoretically calculated value.

Actual performance may vary due to test conditions.

DC = dry charged
(contains 1 battery, acid not included)
CP = combi pack
(contains 1 battery and 1 acid pack)
WC = wet charged
(contains 1 battery acid filled and charged)

Specifications

Battery Type	NOTE	Pack Type	Capacity Ah (10HR)	Capacity Ah (20HR)	Dimensions - mm ($\pm 2\text{mm}$)			Weight with Acid (Kg)	Acid Volume (Litre)	Charge Current (Amps)	CCA* @ -18°C	Terminal Type (refer to page 10)	Assembly Figure
					L	W	H						

YUMICRON continued

YB16-B		DC/CP	19	20.0	175	100	155	6.3	1.2	1.9	215	6	
YB16L-B		DC/CP	19	20.0	175	100	155	6.3	1.2	1.9	215	6	
YB16B-A		DC	16	16.8	160	90	161	5.1	1.0	1.6	207	4	
YB16B-A1	(i)	DC/CP	16	16.8	160	90	161	5.1	1.0	1.6	207	7	
YB16C-B		DC	19	20.0	175	100	175	6.1	1.2	1.9	240	5	
YB16CL-B		DC/CP	19	20.0	175	100	175	6.1	1.2	1.9	240	5	
YB18-A		DC	18	18.9	180	90	162	5.8	1.2	1.8	215	7	
YB18L-A		DC/CP	18	18.9	180	90	162	5.8	1.2	1.8	215	7	
Y50-N18A-A		DC	20	21.1	205	90	176	6.5	1.5	2.0	240	7	
Y50-N18L-A		DC	20	21.1	205	90	162	7.4	1.4	2.0	240	7	
Y50-N18L-A3		DC	20	21.1	205	90	162	7.4	1.4	2.0	240	4	
SY50-N18L-AT		DC/CP	20	21.1	205	90	162	6.5	1.4	2.0	240	7	
Y60-N24-A		DC	28	29.5	184	124	175	8.6	1.7	2.8	241	3	
Y60-N24L-A		DC/CP	28	29.5	184	124	175	8.6	1.7	2.8	241	3	
YB30L-B		DC	30	31.6	168	132	176	8.5	1.7	3.0	300	4	
YB30CL-B		DC	30	31.6	168	132	192	8.8	1.7	3.0	300	4	
51814	**	DC/CP	-	18.0	186	82	171	5.6	1.0	1.9	100	10	
51913	**	DC/CP	-	19.0	186	82	171	5.6	1.0	1.9	100	10	
52015	**	DC	-	20.0	186	82	171	5.6	1.0	2.0	110	10	
52515	**	DC/CP	-	25.0	186	130	171	8.4	1.8	2.5	130	10	
53030	**	DC/CP	-	30.0	186	130	171	9.4	1.6	3.0	180	10	

CONVENTIONAL 12 Volt

12N5-3B		DC/CP	5	5.3	120	60	130	2.0	0.4	0.5	35	6	
12N5-4B		DC	5	5.3	120	60	130	2.0	0.4	0.5	39	6	
12N5.5-3B		DC/CP	5.5	5.8	135	60	130	2.5	0.4	0.6	55	6	
12N5.5-4A		DC	5.5	5.8	135	60	130	2.5	0.4	0.6	55	2	
12N5.5-4B		DC	5.5	5.8	137	61	131	2.5	0.4	0.6	55	6	
12N5.5A-3B		DC/CP	5.5	5.8	103	90	114	2.4	0.5	0.6	55	6	
12N7-3B		DC/CP	7	7.4	135	75	133	3.0	0.5	0.7	70	6	
12N7-4A		DC/CP	7	7.4	135	75	133	3.0	0.5	0.7	70	6	
12N7-4B		DC	7	7.4	135	75	133	3.0	0.5	0.7	70	6	
12N7B-3A		DC	7	7.4	151	61	131	2.9	0.5	0.7	70	6	
12N7D-3B		DC	7	7.4	135	75	150	2.9	0.6	0.7	70	6	
12N9-3A		DC	9	9.5	135	75	139	3.3	0.6	0.9	80	9	
12N9-3B		DC/CP	9	9.5	135	75	139	3.2	0.6	0.9	85	6	
12N9-4B-1		DC/CP	9	9.5	135	75	139	3.2	0.6	0.9	85	6	
12N10-3A		DC/CP	10	10.5	135	90	145	3.9	0.8	1.0	100	6	
12N10-3A-1		DC	10	10.5	135	90	145	3.9	0.8	1.0	100	6	
12N10-3A-2		DC	10	10.5	135	90	145	3.9	0.8	1.0	100	8	
12N10-3B		DC/CP	10	10.5	136	92	146	3.9	0.8	1.0	100	6	
12N11-3A-1		DC	11	11.6	135	90	155	3.6	0.8	1.1	109	8	
12N11-3B		DC	11	11.6	135	90	155	3.6	0.8	1.1	109	6	
12N12-3B		DC	12	12.6	202	76	134	4.4	0.8	1.2	108	6	
12N12A-4A-1		DC/CP	12	12.6	134	80	160	3.7	0.7	1.2	120	6	
12N14-3A		DC/CP	14	14.7	134	89	166	4.5	0.8	1.4	125	8	
12N18-3		DC	18	18.9	205	90	162	6.5	1.3	1.8	140	6	
12N24-3A		DC	24	25.3	184	124	175	7.9	1.8	2.4	200	3	
12N24-3		DC	24	25.3	184	124	175	7.9	1.8	2.4	200	3	
12N24-4		DC/CP	24	25.3	184	124	179	7.6	1.6	2.4	190	3	
YHD-12		DC	29	29.5	206	133	165	8.3	2.2	2.8	200	9	

(i) Includes terminal adator for converting to side mount

* CCA (Cold Cranking Amps) rating is for reference only. CCA is a theoretically calculated value. Actual performance may vary due to test conditions.

** CCA values as mentioned are based on the DIN standard and are for reference only.

DC = dry charged
(contains 1 battery, acid not included)

CP = combi pack
(contains 1 battery and 1 acid pack)

WC = wet charged
(contains 1 battery acid filled and charged)

Battery Type	NOTE	Pack Type	Capacity Ah (10HR)	Capacity Ah (20HR)	Dimensions - mm (± 2 mm)			Weight with Acid (Kg)	Acid Volume (Litre)	Charge Current (Amps)	CCA* @ -18°C	Terminal Type (refer to page 10)	Assembly Figure
					L	W	H						
6N2-2A		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2-2A-1		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2-2A-3		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2-2A-4		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2-2A-8		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2-2A-9		DC	2	2.1	70	47	96	0.5	0.1	0.2		-	
6N2A-2C		DC	2	2.1	70	47	106	0.5	0.1	0.2		-	
6N2A-2C-1		DC	2	2.1	70	47	106	0.5	0.1	0.2		-	
6N2A-2C-3		DC	2	2.1	70	47	106	0.5	0.1	0.2		-	
6N2A-2C-4		DC	2	2.1	70	47	106	0.5	0.1	0.2		-	
6N4-2A		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-2		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-3		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-4		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-5		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-7		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-8		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-9		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4-2A-12		DC	4	4.2	71	71	96	0.8	0.2	0.4		-	
6N4A-4D		DC	4	4.2	61	57	131	1.0	0.2	0.4		-	
6N4B-2A		DC	4	4.2	102	48	96	1.0	0.2	0.4		-	
6N4B-2A-3		DC	4	4.2	102	48	96	1.0	0.2	0.4		-	
6N4B-2A-4		DC	4	4.2	102	48	96	1.0	0.2	0.4		-	
6N4B-2A-5		DC	4	4.2	102	48	96	1.0	0.2	0.4		-	
6N4C-1B		DC	4	4.2	71	71	105	0.8	0.2	0.4		-	
6N5.5-1D		DC	5.5	5.8	90	70	100	1.1	0.3	0.6		-	
6N6-1B		DC	6	6.3	99	57	111	1.2	0.3	0.6		-	
6N6-3B		DC	6	6.3	99	57	111	1.3	0.3	0.6		6	
6N6-3B-1		DC/CP	6	6.3	99	57	111	1.3	0.3	0.6		6	
6N6-1D		DC	6	6.3	99	57	111	1.2	0.3	0.6		-	
6N6-1D-2		DC	6	6.3	99	57	111	1.2	0.3	0.6		-	
B39-6		DC	7	7.4	126	48	126	1.7	0.3	0.7		6	
B49-6		DC/CP	8	8.4	91	83	161	2.1	0.5	0.8		6	
6N11-2D		DC	11	11.6	150	70	100	2.0	0.4	1.1		6	
6N11A-1B		DC	11	11.6	122	62	131	2.1	0.4	1.1		6	
6N11A-3A		DC/CP	11	11.6	122	62	131	2.1	0.4	1.1		6	
6N11A-4		DC	11	11.6	122	62	131	2.1	0.4	1.1		6	
6N12A-2C		DC	12	12.6	156	57	116	2.0	0.5	1.2		9	
B54-6		DC	12	12.6	156	57	116	2.3	0.5	1.2		6	
6N12A-2D		DC	12	12.6	156	57	116	2.3	0.45	1.2		6	
B38-6A		DC	13	13.7	119	83	161	2.9	0.62	1.3		6	
6YB8L-B		DC	8	8.4	120	70	95	1.6	0.31	0.8		6	
6YB11-2D		DC	11	11.6	150	70	100	2.0	0.4	1.1		6	

DC = dry charged
(contains 1 battery, acid not included)
CP = combi pack
(contains 1 battery and 1 acid pack)
WC = wet charged
(contains 1 battery acid filled and charged)

* CCA (Cold Cranking Amps) rating is for reference only. CCA is a theoretically calculated value.
Actual performance may vary due to test conditions.

Terminal Configurations

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.

Type	Terminal Shape			Battery Type				
	Front	Side	Top					
1				YB14L-A1	YTX16-BS-1			
2				YB9L-A2	YB16AL-A2	12N5.5-4A		
3				Y60-N24-A	12N24-3	12N24-3A	YB7C-A	12N24-4
4				YB12C-A YTX14AH-BS YTX20-BS YTX24HL-BS	YB16B-A YTX14AHL-BS YTX20L-BS GYZ20L	Y50-N18L-A3 YTX14H-BS YTX20H-BS YTX16-BS	YB30L-B YTX15L-BS YTX20HL-BS	YB30CL-B YTX20CH-BS YTX20HL-BS-PW
5				YTZ3 YTZ7V YTX7L-BS YTX14L-BS YB16C-B	YTZ4V YTZ8V YTX9-BS YB16CL-B	YTZ5S YTX4L-BS YT12A-BS YIX30L GYZ16HL	YTZ6 YTX5L-BS YTX12-BS YB4L-A	YTZ7S YTX7A-BS YTX14-BS YB4L-B
6				YB3L-A YB7B-B YB10L-B YB14A-A1 YB16HL-A-CX 12N5.5-4B 12N9-3B 12N18-3 6N11-2D B39-6	YB3L-B YB7L-B YB10L-BP YB14L-A 12N5-3B 12N7-3B 12N9-4B-1 6N6-3B 6N12A-2D B49-6	YB5L-B YB9A-A YB12A-A YB16-B 12N5-4B 12N7-4A 12N10-3B 6N6-3B-1 6YB8L-B B54-6	YB6L-B YB9-B YB12A-B YB16-B-CX 12N5.5-3B 12N7-4B 12N10-3B-A 6N11A-1B 6YB11-2D	YB7-A YB9L-B YB12AL-A YB16L-B 12N5.5A-3B 12N7D-3B 12N12A-4A-1 6N11A-3A B38-6A
7				HYB16A-AB Y50-N18L-A	YB16B-A1** Y50-N18L-A2	YB18-A Y50-N18L-A-CX	YB18L-A SY50-N18L-A	Y50-N18A-A SY50-N18L-AT
8				YB10A-A2 YB14-A2 YB14-B2	YB10L-A2 YB14A-A2 YB14L-B2	YB10L-B2 YB14L-A2 12N10-3A-2	YB12AL-A2* SYB14L-A2 12N11-3A-1	YB12B-B2 SYB14L-B2 12N14-3A
9				YHD-12	6N12A-2C	12N9-3A		
10				51814	52015	51913	52515	53030
11				YT7B-BS YTZ12S	YT9B-BS YTZ14S	YT12B-BS	YT14B-BS	YTZ10S
12				YTR4A-BS				
13				YT4B-BS				
14				GYZ20H	GYZ20HL	GYZ32HL		

* Includes terminal adaptor for converting to top mount. ** Includes terminal adaptor for converting to side mount.

Battery Upgrade Cross Reference Chart

GYZ Series	AGM High Performance	AGM Maintenance Free	YuMicron (CX)	Conventional
-	-	-	6YB11-2D	6N11-2D
-	YTZ5S	YTX4L-BS, YT4L-BS	YB4L-A, YB4L-B	-
-	YTZ7S	YTX5L-BS, YT5L-BS	-	-
-	-	-	YB5L-B	12N5-3B
-	-	-	YB7L-B	12N7-3B
-	-	-	YB7-B	12N7-4A
-	-	-	YB9-B	12N9-4B-1
-	-	-	YB9L-B	12N9-3B
-	-	-	YB10L-A2	12N10-3A-2
-	-	-	YB12-A	12N12A-4A-1
GYZ16H	YTX14H-BS	YTX14-BS	-	-
-	YTX14AH-BS	-	YB14-A2, YB14-B2	-
-	YTX14AH-BS ⁴	-	YB14A-A1, YB14A-A2	-
-	YTX14AHL-BS	-	YB14L-A2	12N14-3A
-	YTX14AHL-BS	-	YB14L-B2	-
GYZ16HL	YTX14L-BS	-	-	-
-	-	YT19BL-BS	51913	-
-	YTX20CH-BS	YTX16-BS	-	-
GYZ20H ⁵	YTX20H-BS ⁶	YTX20-BS ⁶	YB16-B, YB16-B-CX	-
GYZ20H	YTX20H-BS ⁶	YTX20-BS ⁶	YB18-A	-
-	YTX20HL-BS PW ⁷	-	YB16CL-B	-
GYZ20HL ⁸ , GYZ20L	YTX20HL-BS ⁶	YTX20L-BS ⁶	YB16HL-A-CX	-
GYZ20HL, GYZ20L	YTX20HL-BS ⁶	YTX20L-BS ⁶	YB16L-B	-
GYZ20HL ⁸ , GYZ20L	YTX20HL-BS ⁶	YTX20L-BS ⁶	YB18L-A	-
GYZ20HL ⁸ , GYZ20L	YTX20HL-BS ⁶	YTX20L-BS	-	-
-	YTX24HL-BS ⁶	-	Y50-N18L-A, Y50-N18L-A-CX	-
-	YTX24HL-BS	-	Y50-N18-A3	-
-	YTX24HL-BS ⁴	-	SY50-N18-AT	-
GYZ32HL	YIX30L-BS	-	YB30L-B	-
-	YIX30L-BS-PW ⁸	-	YB30CLB	-
-	YIX30L-BS	-	53030	-

- 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 Requires use of Yuasa Cover/Spacer Kit.
- 8 For Harley-Davidson models only.

Designation of Battery Type Numbers

Examples:

6 | N | 2 | | - | 2 | A | - | 8
 a | b | c | d | | e | f | | g

12 | N | 12 | A | - | 4 | A | - | 1
 a | b | c | d | | e | f | | g

YB | 16 | A | L | - | A | 2
 h | j | d | e | | f | g

Y | 50 | - | N | 18 | L | - | A
 h | j | | b | i | e | | f

YT | X | 20 | H | L | - | B | S
 k | m | i | m | e | | | l

YT | X | 7 | L | - | B | S
 k | m | i | e | | | l

Designations:

- a - nominal voltage
- b - vented type (normal type)
- c - battery capacity at 10 hour rate
- d - indication of different size of the same capacity batteries
- e - polarity location (see Fig. 1), configuration
- f - location of opening for exhaust (see Fig. 2)
- g - type of terminal
- h - symbol of YuMicron batteries
- i - performance level
- j - cranking or starting power
- k - symbol of Yuasa maintenance free (VRLA) batteries (YT, YI)
- l - bottle supplied electrolyte
- m - high performance

Fig. 1 e Polarity Location (L indicates positive terminal is located at right side.)

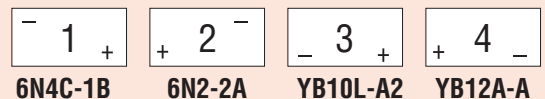
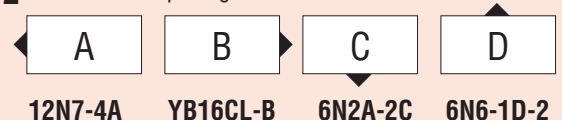


Fig. 2 f Location of opening for exhaust



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 Visit www.yuasa.com for our latest application data

Maximum Power

Minimum Space



The Yuasa YTZ® battery is the only powersports battery in the world to incorporate expanded plate technology. Approved by the world's leading Original Equipment Manufacturers, they are designed to deliver exactly what powersports enthusiasts really need:

- **Enhanced Starting Power**
- **Longer Battery Life**
- **Superior Reliability**
- **Maximum Performance**

Because they are small, light and more volume efficient, Yuasa YTZ® batteries provide greater starting power from minimum space. Factory sealed and activated, they are completely spill proof enabling multi-angle fitment, never require refilling and are maintenance free during the complete lifetime of the battery.

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

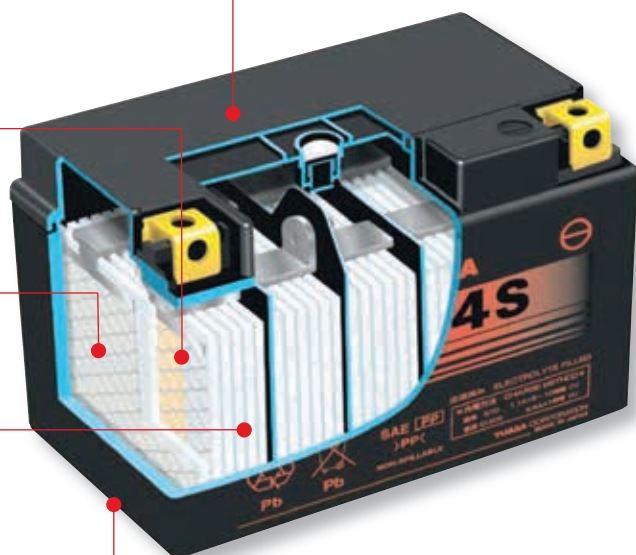
Increased number of plates for maximum starting power and to withstand severe vibration resistance.

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.

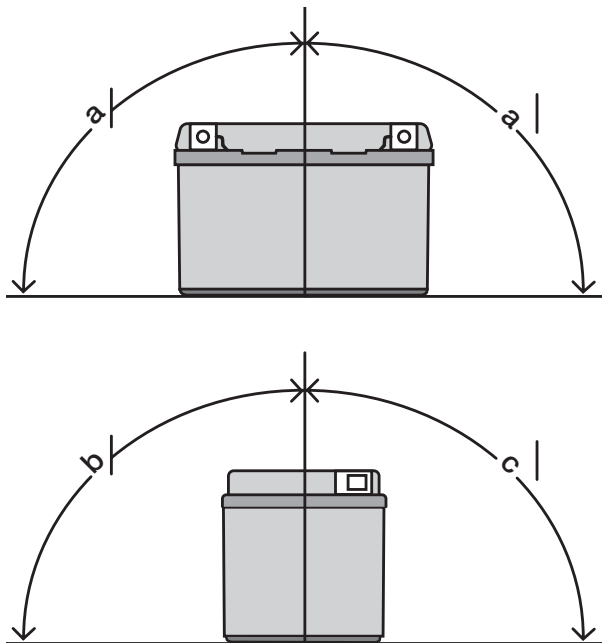




Battery Type	Pack Type	Capacity Ah (10HR)	Capacity Ah (20HR)	Dimensions - mm (± 2mm)			Weight with Acid (Kg)	Acid Volume (Litre)	Charge Current (Amps)	CCA* @ -18°C	Terminal Type (refer to page 10)	Assembly Figure
				L	W	H						
YTZ7S	WC	6	6.3	113	70	105	2.1	N/A	0.6	130	5	
YTZ10S	WC	8.6	9.1	150	87	93	3.2	N/A	0.9	190	11	
YTZ12S	WC	11	11.6	150	87	110	3.7	N/A	1.1	210	11	
YTZ14S	WC	11.2	11.8	150	87	110	3.9	N/A	1.1	230	11	

YTZ[®] Mounting Angle

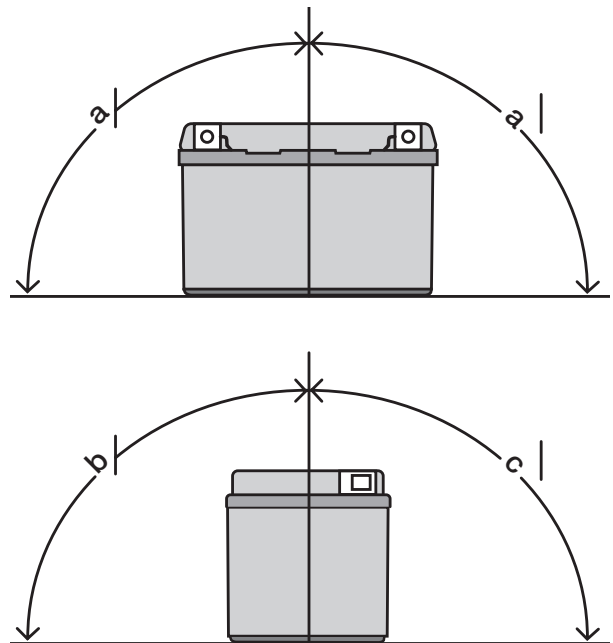
Because of their unique spill proof design, Yuasa YTZ batteries can be installed under multiple mounting angles as explained below.



YTZ [®] series	Mounting Angle		
	a°	b°	c°
YTZ7S	40	90	15
YTZ10S	40	90	15
YTZ12S	40	90	15
YTZ14S	40	90	15

TTZ Mounting Angle

TTZ batteries cannot be installed under the same angle as YTZ batteries. The mounting angles for TTZ batteries are limited to the below angles.



TTZ series	Mounting Angle		
	a°	b°	c°
TTZ7S	30	20	20
TTZ10S	30	20	20
TTZ12S	30	20	20
TTZ14S	30	20	20

Notes:

- The above mentioned angles show the allowance from the centre position of the battery.
- The above mentioned angles are evaluated by up & down single vibration only.
- WC = wet charged (contains 1 battery acid filled and charged).

Cross Reference

Yuasa

GS

High Performance AGM

YTX14AH-BS	GTX14A-BS
YTX14AHL-BS	GTX14AL-BS
YTX14H-BS	GTX14H-BS
YTX20CH-BS	GTX20CH-BS
YTX20H-BS	GTX20H-BS
YTX20HL-BS	GTX20HL-BS
YTX24HL-BS	GTX24HL-BS
YIX30L-BS	GTX30L-BS
YTZ7S	YTZ7S
YTZ10S	YTZ10S
YTZ12S	YTZ12S
YTZ14S	YTZ14S

Maintenance free AGM

YT4B-BS	GT4B-BS
YTR4A-BS	GTR4A-BS
YTX4L-BS	GTX4L-BS
YTX5L-BS	GTX5L-BS
YT7B-BS	GT7B-BS
YTX7A-BS	GTX7A-BS
YTX7L-BS	GTX7L-BS
YT9B-BS	GT9B-BS
YTX9-BS	GTX9-BS
YT12A-BS	GT12A-BS
YT12B-BS	GT12B-BS
YTX12-BS	GTX12-BS
YT14B-BS	GT14B-BS
YTX14-BS	GTX14-BS
YTX14L-BS	GTX14L-BS
YTX16-BS	GTX16-BS
YTX16-BS-1	GTX16-BS-1
YT19BL-BS	GT19BL-BS
YTX20-BS	GTX20-BS
YTX20L-BS	GTX20L-BS

Yumicron CX

YB16-B-CX	GT16-BS
YB16HL-A-CX	GT16L-BS

Yumicron

YB2.5L-C	CB2.5L-C
YB2.5L-C-1	CB2.5L-C-1
YB2.5L-C-2	CB2.5L-C-2
YB3L-A	CB3L-A
YB3L-B	CB3L-B
YB4L-A	CB4L-A
YB4L-B	CB4L-B
YB5L-B	CB5L-B
YB7-A	CB7-A
YB7C-A	CB7C-A
YB7L-B	CB7L-B
YB7L-B2	CB7L-B2

Yuasa

GS

Yumicron continued

YB9-B	CB9-B
YB9A-A	CB9A-A
YB9L-A2	CB9L-A2
YB9L-B	CB9L-B
YB10A-A2	CB10A-A2
YB10L-A2	CB10L-A2
YB10L-B	CB10L-B
YB10L-B2	CB10L-B2
YB10L-BP	CB10L-BP
YB12A-A	CB12A-A
YB12A-B	CB12A-B
YB12AL-A	CB12AL-A
YB12AL-A2	CB12AL-A2
YB12B-B2	CB12B-B2
YB12C-A	CB12C-A
YB14-A2	CB14-A2
YB14-B2	CB14-B2
YB14A-A1	CB14A-A1
YB14A-A2	CB14A-A2
YB14L-A1	CB14L-A1
YB14L-A2	CB14L-A2
YB14L-B2	CB14L-B2
SYB14L-A2	SCB14L-A2
SYB14L-B2	SCB14L-B2
YB16-B	CB16-B
YB16B-A	CB16B-A
YB16AL-A2	CB16AL-A2
YB16CL-B	CB16CL-B
YB16L-B	CB16L-B
HYB16A-AB	HCB16A-A
YB18-A	CB18-A
YB18L-A	CB18L-A
Y50-N18L-A	C50-N18L-A
Y50-N18L-A2	C50-N18L-A2
Y50-N18L-A3	C50-N18L-A3
SY50-N18L-AT	SC50-N18L-AT
Y60-N24-A	C60-N24-A
Y60-N24L-A	C60-N24L-A
51814	51814
51913	51913
52015	52015
52515	52515
53030	53030

Conventional 12 Volt

12N5-3B	12N5-3B
12N5-4B	12N5-4B
12N5.5-3B	12N5.5-3B
12N5.5-4A	12N5.5-4A
12N5.5-4B	12N5.5-4B



Yuasa**GS****Conventional 12 Volt** continued

12N5.5A-3B	12N5.5A-3B
12N7-3B	12N7-3B
12N7-4A	12N7-4A
12N7-4B	12N7-4B
12N7D-3B	12N7D-3B
12N9-3A	12N9-3A
12N9-3B	12N9-3B
12N9-4B-1	12N9-4B-1
12N10-3B	12N10-3B
12N11-3A-1	12N11-3A-1
12N11-3B	12N11-3B
12N12A-4A-1	12N12A-4A-1
12N14-3A	12N14-3A
12N18-3	12N18-3
12N24-3A	12N24-3A
YHD-12H	CHD4-12

Conventional 6 Volt

6N2-2A	6N2-2A
6N2-2A-3	6N2-2A-3
6N2-2A-4	6N2-2A-4
6N2-2A-8	6N2-2A-8
6N2A-2C	6N2A-2C
6N2A-2C-3	6N2A-2C-3
6N4-2A	6N4-2A
6N4-2A-2	6N4-2A-2
6N4-2A-3	6N4-2A-3
6N4-2A-4	6N4-2A-4
6N4-2A-5	6N4-2A-5
6N4-2A-7	6N4-2A-7
6N4-2A-8	6N4-2A-8
6N4A-4D	6N4A-4D
6N4B-2A	6N4B-2A
6N4B-2A-3	6N4B-2A-3
6N4B-2A-4	6N4B-2A-4
6N4B-2A-5	6N4B-2A-5
6N-4C-1B	6N-4C-1B
6N5.5-1D	6N5.5-1D
6N6-1D-2	6N6-1D-2
6N6-3B	6N6-3B
6N6-3B-1	6N6-3B-1
6N11-2D	6N11-2D
6N11A-1B	6N11A-1B
6N11A-3A	6N11A-3A
6N11A-4A	6N11A-4A
6N12A-2C	6N12A-2C
6N12A-2D	6N12A-2D
B38-6A	B38-6A
B39-6	B39-6
B49-6	B49-6

Acid bottles**Battery Model****Acid bottle**

YT7B-BS	ECTC-0.30
YTX7A-BS	ECTC-0.33
YTX7L-BS	ECTCA-0.33
YT9B-BS	ECTC-0.40
YTX9-BS	ECTC-0.40
YTX12-BS	ECTC-0.60
YT12A-BS	ECTC-0.49
YT12B-BS	ECTC-0.52
YT14B-BS	ECTCA-0.60
YTX14-BS	ECTC-0.69
YTX16-BS	ECTC-0.78
YTX16-BS-1	ECTC-0.78
YTX20-BS	ECTC-0.93
YTX20L-BS	ECTC-0.93
TTZ10S	ECTC-0.40
TTZ12S	ECTC-0.52
TTZ14S	ECTC-0.52
YIX30L-BS	479632
YTX14AH-BS	5YHP14ACD
YTX14AHL-BS	5YHP14ACD
YTX14H-BS	5YT14ACDP
YTX14L-BS	5YT14ACDP
YTX15L-BS	5YT15ACDP
YTX20CH-BS	5YT20CACDP
YTX20H-BS	5YT20AHAD
YTX20HL-BS	5YT20AHAD
YTX20HL-BS-PW	5YT20AHAD
YTX24HL-BS	478016
YTX4L-BS	ECR-0.18 E
YTX5L-BS	ECR-0.24 E
YTZ5S	ECR-0.20 E
YTZ6V	ECR-0.27 E

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