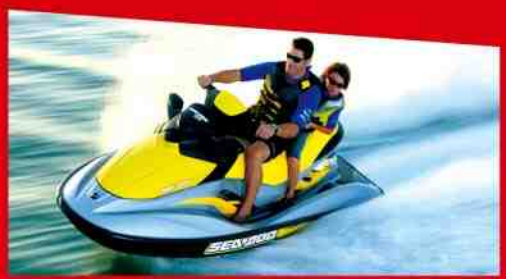
POWEROAD®



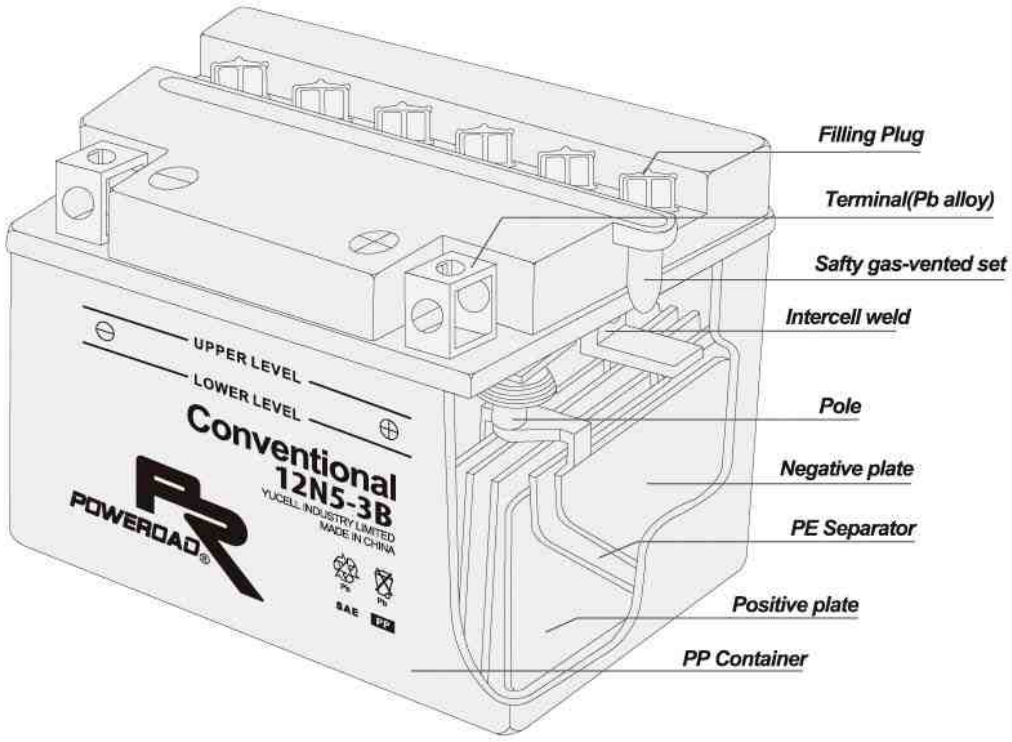
Powersports Battery

For:Motorcycles, Scooters, Jet skis, Atvs, Snowmobiles & More

YUCELL INDUSTRY LIMITED

Conventional

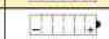
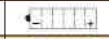
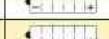
"POWEROAD" Conventional Battery engineered to protect against corrosion, withstand vibration and deliver high cranking power.



Conventional Series Specification

Model No	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O.Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
			L	W	H					
6N2-2A	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-1	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-2	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-3	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-4	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-5	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-6	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-7	6	2	70	46	95	0.465	0.12	0.2		
6N2-2A-8	6	2	70	46	95	0.465	0.12	0.2		
6N2A-2C	6	2	70	45	103	0.491	0.192	0.2		
6N2A-2C-3	6	2	70	45	103	0.491	0.192	0.2		
6N2A-2D	6	2	70	45	103	0.491	0.192	0.2		
6N4-2A	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-2	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-3	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-4	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-5	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-6	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-7	6	4	70	70	95	0.572	0.162	0.4		
6N4-2A-8	6	4	70	70	95	0.572	0.162	0.4		
6N4A-4D	6	4	60	56	130	0.71	0.162	0.4		
6N4B-2A	6	4	100	47	96	0.544	0.162	0.4		
6N4B-2A-3	6	4	100	47	96	0.544	0.162	0.4		
6N4C-1B	6	4	70	70	103	0.616	0.162	0.4		
6N5.5-1D	6	5.5	88	68	97	0.79	0.27	0.55		
6N5.5-1D-1	6	5.5	88	68	97	0.79	0.27	0.55		
6N5.5-3D	6	5.5	88	68	97	0.79	0.27	0.55		
6N6-1B	6	6	99	57	110	0.82	0.27	0.6		
6N6-1B-1	6	6	99	57	110	0.82	0.27	0.6		
6N6-1C	6	6	99	57	110	0.82	0.27	0.6		
6N6-1D	6	6	99	57	110	0.82	0.27	0.6		
6N6-1D-1	6	6	99	57	110	0.82	0.27	0.6		
6N6-1D-2	6	6	99	57	110	0.82	0.27	0.6		
6N6-3B	6	6	99	57	110	0.82	0.27	0.6		
6N6-3B-1	6	6	99	57	110	0.82	0.27	0.6		
B39-6 (6N7-1)	6	7	126	48	126	0.93	0.33	0.7		
6CB8-3B (6CB8L-B)	6	8	120	71	95	1.12	0.32	0.8		
B49-6	6	10	91	83	160	1.40	0.54	1		
6N11-2D	6	11	150	70	100	1.31	0.45	1.1		
6N11A-3A	6	11	122	62	132	1.28	0.42	1.1		
6N11A-4A	6	11	122	62	132	1.28	0.42	1.1		
6N11A-1B	6	11	122	62	132	1.28	0.42	1.1		
6N11S-2D	6	11	149	69.5	99	1.28	0.42	1.1		
6N12A-2C(B54-6)	6	12	155	56	114	1.43	0.39	1.2		
6N12A-2D(B54-6A)	6	12	155	56	114	1.43	0.39	1.2		
B38-6A	6	13	119	83	161	1.75	0.77	1.3		90
12N5-3B	12	5	120	61	130	1.37	0.41	0.5		40
12N5-4B	12	5	120	61	130	1.37	0.41	0.5		40

Conventional Series Specification

Model No	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O.Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
			L	W	H					
12M5-D	12	6	135	72	96	1.56	0.34	0.6		40
12N5.5-3A	12	5.5	138	61	131	1.59	0.48	0.55		55
12N5.5-3B	12	5.5	138	61	131	1.59	0.48	0.55		55
12N5.5-4A	12	5.5	138	61	131	1.59	0.48	0.55		55
12N5.5-4B	12	5.5	138	61	131	1.59	0.48	0.55		55
12N5.5A-3B	12	5.5	104	91	114.5	1.70	0.48	0.55		44
12N6-3A	12	6	135	72	92	1.56	0.34	0.6		40
12N6-3B	12	6	135	72	92	1.56	0.34	0.6		40
12N6.5-3A	12	6.5	139	66	102	1.56	0.336	0.65		55
12N6.5-3B	12	6.5	139	66	102	1.56	0.336	0.65		55
12N7-3A	12	7	137	75	134	2.35	0.66	0.7		74
12N7-4A	12	7	135	75	134	2.35	0.66	0.7		74
12N7-3B	12	7	135	75	134	2.35	0.66	0.7		74
12N7-4B	12	7	135	75	134	2.35	0.66	0.7		74
12N7A-3A	12	7	150	60	129	1.83	0.48	0.7		70
12N7A-4A	12	7	150	60	129	1.83	0.48	0.7		70
12N7D-3B	12	7	135	76	149	2.15	0.50	0.7		80
12N7C-3D	12	7	130	90	116	2.20	0.50	0.7		80
12N7CZ-3D	12	8	130	90	116	2.20	0.50	0.8		80
12N9-3A	12	9	137	75	139	2.35	0.66	0.9		85
12N9-3A-1	12	9	137	75	139	2.35	0.66	0.9		85
12N9-3B	12	9	137	75	139	2.35	0.66	0.9		85
12N9-4B	12	9	137	75	139	2.35	0.66	0.9		85
12N9-4B-1	12	9	137	75	139	2.35	0.66	0.9		85
12N10-3A	12	10	134	90	145	2.70	0.78	1		95
12N10-3A-1	12	10	134	90	145	2.70	0.78	1		95
12N10-3A-2	12	10	134	90	145	2.70	0.78	1		95
12N10-3B	12	10	134	90	145	2.70	0.78	1		95
12N11-3A	12	11	134	90	151	2.93	0.75	1.1		103
12N11-3A-1	12	11	135	90	155	2.93	0.75	1.1		103
12N11-3B	12	11	135	90	155	2.93	0.75	1.1		103
12N12-4A	12	12	134	80	160	2.45	0.78	1.2		165
12N12-3B	12	12	200	75	135	3.00	0.87	1.2		113
12N12A-4A-1	12	12	134	80	160	2.45	0.75	1.2		113
12N14-3A	12	14	134	89	166	3.30	0.90	1.4		128
12N14-3B	12	14	134	89	166	3.30	0.90	1.4		128
12N16-3A	12	16	175	100	155	4.68	1.23	1.6		145
12N16-4A	12	16	175	100	155	4.68	1.14	1.6		145
12N16-3B	12	16	175	100	155	4.68	1.14	1.6		145
12N16-4B	12	16	175	100	155	4.68	1.14	1.6		145
12N18-3	12	18	206	92	160	4.30	1.41	1.8		164
12N18-3A	12	18	206	92	160	4.30	1.41	1.8		164
12C16A-3B	12	19	185	82	170	4.55	1.14	1.9		150
51814	12	19	186	82	171	4.55	1.14	1.9		150
51913	12	19	186	82	171	4.55	1.14	1.9		150
12N24-3	12	24	185	126	173	5.30	1.77	2.4		218
12N24-4	12	24	185	126	173	5.30	1.77	2.4		218
12N24-3A	12	24	185	126	173	5.30	1.77	2.4		218

Installation Instructions

Standard and CB Batteries

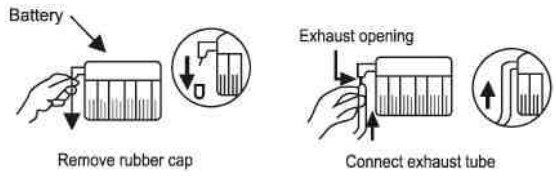
(A) PRECAUTION -

1. Make sure the battery is out of the vehicle..

(B) INSTRUCTION -

1.Preparing the battery for filling with electrolyte (acid).

- Take off the rubber sealing cap and remove filling plugs.
- Replace rubber cap with exhaust tube provided.



2.Filling electrolyte (acid).

- Fill battery with electrolyte (diluted sulphuric acid) with a specific gravity of: Cool or Temperate climate 1.270 - 1.280
  Tropical climate 1.250 - 1.260
- The electrolyte temperature when filling must not be lower than 15℃ or higher than 30℃.
- Fill battery to upper level as indicated on the battery case.
- Leave battery to stand for at least 30 minutes after filling.
- Electrolyte level may fall during this period, refill to upper level before charging.

3.Charging.

- Place battery on charge for 3 to 5 hours at the approximate current equivalent of 1/10th of it's rated capacity.
- If electrolyte level falls after charging, fill with distilled water to upper level. After water is added, continue charging for 1 to 2 hours in order to mix water with electrolyte.
- After charging, check the voltage and electrolyte specific gravity is constant over three successive readings taken at 30 minute intervals.
- Replace filler plugs firmly and wash off any electrolyte spillage with clean water.

Specific Gravity Reading using a Hydrometer

State of Charge	Electrolyte temperature			
	27℃		4℃	
	CB	Standard	CB	Standard
100%	1.27/1.28	1.26/1.27	1.26/1.29	1.27/1.28
75%	1.22/1.28	1.21/1.22	1.23/1.24	1.22/1.28
50%	1.17/1.18	1.16/1.17	1.18/1.19	1.17/1.18
25%	1.13/1.14	1.12/1.13	1.14/1.15	1.13/1.14
0%	1.11/or less	1.10/or less	1.12/or less	1.11/or less

Battery Voltage Reading using a Voltmeter

State of Charge	CB	Standard
100%	12.7 Volts	12.6 Volts
75%	12.5	12.4
50%	12.2	12.1
25%	12.0	11.9
0%	11.9 or less	11.8 or less

Battery Maintenance

Peridoic battery maintenance should be performed whether or not a starting problem has occurred. The following procedures will help prevent premature battery failure:

1.Check electrolyte level. If the electrolyle level is below the tops of the plates in any cell (or the lower level line) refill with distilled water to the upper level line:

NOTE - Low electrolyte levels may cause a malfunction in the charging system.

2.Keep the battery clean of all acid spillage and dirt, especially around the terminal area.

3.Keep the exhaust tube free of kinks and dirt build-up.

4.If the motorcycle is not used frequentiy, the battery will require additional recharging. Specific charging rates or times may vary because of the following:

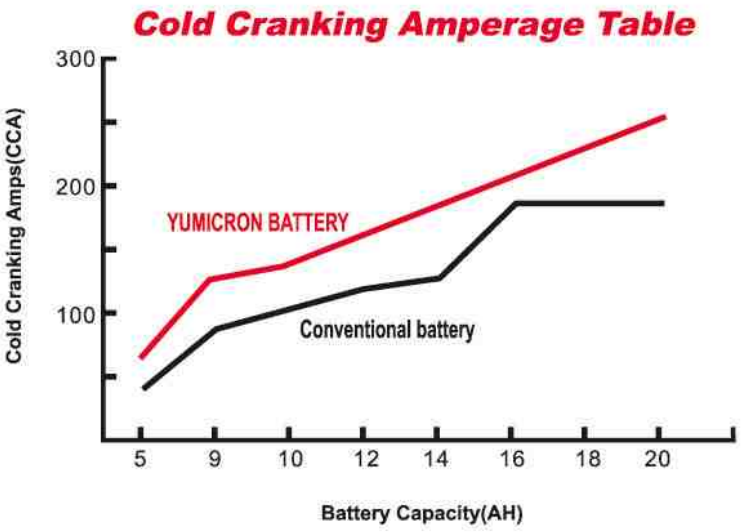
(A) Battery's electrical capacity.
(B) Temperature of electrolyte.
(C) Battery state of charge at the start of charging.
(D) Battery age and condition.
(E) Type of charger

5.Check the specific gravity of acid or the voltage of the battery to make sure it is in 100% charged condition.

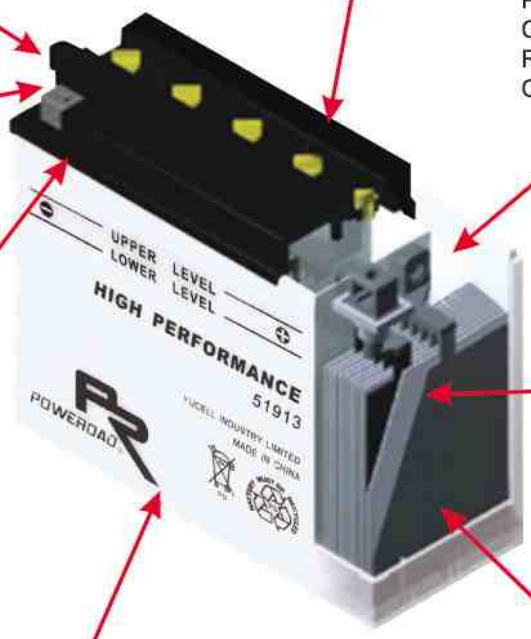
High Performance

"POWEROAD" high performance battery is an outstanding benefit for heavily accessorized machines or high compression engines. Its high cranking power is also a real bonus for easier starting.

+ More power
+Less Maintenance
+Longer Life



HIGH PERFORMANCE BATTERY FEATURES



SAFETY VALVE RELIEVES EXCESS PRESSURE

FILLING CAP

THRU.PARTITION CONSTRUCTION PROVIDES SHORTER CURRENT PATH WITH LESS RESISTANCE FOR MORE CRANKING POWER

SEALED POST PREVENTS ACID LEAKAGE,REDUCES CORROSION,AND EXTENDS BATTERY LIFE

ABSORPTIVE GLASS FIBER MAT (AGM) SEPARATOR INCREASES BATTERY CELL LIFE AND REDUCES VIBRATION ON BATTERY PLATES

HEAT SEALED COVER TO CASE PROTECTS AGAINST LEAKAGE AND CORROSION. THE BONDED UNIT PROVIDES EXTRA STRENGTH

POLYPROPYLENE COVER AND CONTAINER ASSURE RESERVED ELECTROLYTE CAPACITY FOR AND GIVES GREATER RESISTANCE TO GAS, OIL, AND IMPACT IN EXTREME WEATHER CONDITIONS

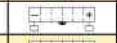
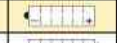
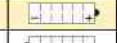
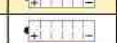
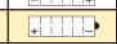
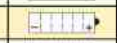
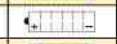
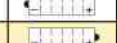
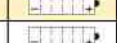
SPECIAL ACTIVE MATERIAL IN THE PLATES IS COMPOUNDED TO WITHSTAND VIBRATION,PROLONGING BATTERY LIFE AND DEPENDABILITY

YUCELL INDUSTRY LIMITED

Powersports Battery

For:Motorcycles, Scooters, Jet skis, Atvs, Snowmobiles & More

High Performance Series Specification

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H					
CB2.5L-C		12	2.5	81	71	105	0.71	0.192	0.25		25
CB2.5L-C-1		12	2.5	81	71	105	0.71	0.192	0.25		25
CB2.5L-C-2		12	2.5	81	71	105	0.71	0.192	0.25		25
CB3L-A		12	3	98	57	111	0.94	0.204	0.3		32
CB3L-B		12	3	98	57	111	1	0.204	0.3		32
CTX4L-B	YTX4L-BS FLOOD TYPE	12	3.5	114	70	86	1.24	0.21	0.35		40
CB4L-A		12	4	120	70	92	1.33	0.294	0.4		50
CB4L-B		12	4	120	70	92	1.33	0.294	0.4		50
CB5L-B		12	5	120	61	130	1.53	0.39	0.5		55
CB6L-B		12	6	136	72	97	1.56	0.336	0.6		55
CB6.5L-A		12	6.5	139	66	102	1.56	0.336	0.6		55
CB6.5L-B		12	6.5	139	66	102	1.56	0.336	0.65		55
CB6.5AL-A		12	6	135	71	109	1.56	0.336	0.6		55
CB6.5AL-B		12	6	135	71	109	1.56	0.336	0.6		55
CB7-A		12	8	135	75	133	2.3	0.636	0.8		90
CB7A-A		12	8	135	75	148	2.3	0.636	0.8		90
CB7B-B		12	7	150	60	131	1.85	0.48	0.7		70
CB7BL-B		12	7	150	60	131	1.85	0.48	0.7		70
CB7C-A		12	8	130	90	116	2.2	0.504	0.8		80
CB7S-4B	YTX7A-BS FLOOD TYPE	12	7	150	87	93	2.23	0.468	0.7		75
CB7L-A		12	8	135	75	133	2.3	0.636	0.8		90
CB7L-B		12	8	135	75	133	2.3	0.636	0.8		90
CB9-A		12	9	135	75	139	2.34	0.636	0.9		130
CB9-A2		12	9	135	75	139	2.34	0.636	0.9		130
CB9-B		12	9	135	75	139	2.34	0.636	0.9		130
CB9-B2		12	9	135	75	139	2.34	0.636	0.9		130
CB9A-A		12	9	136	76	155	2.34	0.636	0.9		130
CB9L-A2		12	9	135	75	139	2.34	0.636	0.9		130
CB9L-B		12	9	137	76	139	2.34	0.636	0.9		130
CB9L-B2		12	9	135	75	139	2.34	0.636	0.9		130
CB10A-A2		12	11	135	90	157.6	2.65	0.78	1.1		160
CB10AL-A2		12	11	135	90	157.6	2.65	0.78	1.1		160
CB10L-A2		12	11	135	90	145	2.65	0.78	1.1		160
CB10L-B		12	11	135	90	145	2.65	0.78	1.1		160
CB10L-B2		12	11	136	90	146	2.65	0.78	1.1		160
CB12A-A		12	12	134	80	160	2.45	0.81	1.2		165
CB12AL-A		12	12	134	80	160	2.45	0.81	1.2		165
CB12AL-A2		12	12	135	81	162	2.45	0.81	1.2		165
CB12A-B		12	12	135	81	162	2.45	0.81	1.2		165
CB12B-B2		12	13	159	89	129	3.1	0.78	1.3		165
CB12C-A		12	13	135	81	176	2.9	0.81	1.3		165
CB14-A1		12	14	134	89	166	3.3	0.84	1.4		190
CB14-A2		12	14	134	89	166	3.3	0.84	1.4		190
CB14A-A		12	14	134	89	178.5	3.3	0.84	1.4		190
CB14A-A2		12	14	134	89	178.5	3.3	0.84	1.4		190
CB14-B1		12	14	134	89	166	3.3	0.84	1.4		190
CB14-B2		12	14	134	89	166	3.3	0.84	1.4		190
CB14L-A1		12	14	134	89	166	3.3	0.84	1.4		190

High Performance Series Specification

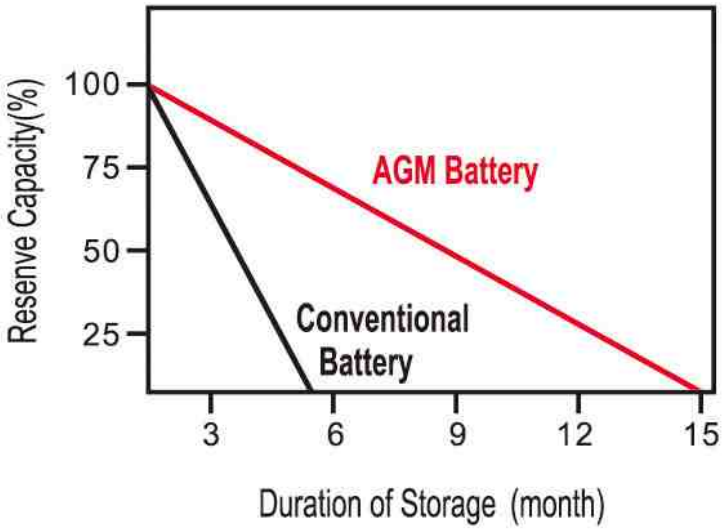
Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H					
CB14L-A2		12	14	134	89	166	3.3	0.84	1.4		190
CB14L-B1		12	14	134	89	166	3.3	0.84	1.4		190
CB14L-B2		12	14	134	89	166	3.3	0.84	1.4		190
SCB14L-A2		12	14	134	89	166	3.3	0.84	1.4		190
SCB14L-B2		12	14	134	89	166	3.3	0.84	1.4		190
CB16AL-A2		12	16	205	70	162	4.1	1.08	1.6		175
CB16B-A		12	16	160	90	159	3.62	1.02	1.6		175
CB16B-A1		12	16	160	90	159	3.62	1.02	1.6		175
CB16B-A2		12	16	160	90	159	3.8	1.02	1.6		175
HCB16A-A		12	16	146	88	180	3.75	1.14	1.6		150
HCB16A-AB		12	16	146	88	180	3.75	1.14	1.6		150
CB16-A		12	19	175	100	155	4.95	1.02	1.9		240
CB16-A2		12	19	175	100	155	4.95	1.02	1.9		240
CB16-B		12	19	175	100	155	4.95	1.23	1.9		240
CB16-B2		12	19	175	100	155	4.95	1.23	1.9		240
CB16CL-B		12	19	175	100	175	4.95	1.23	1.9		240
CB16L-A		12	19	175	100	155	4.95	1.02	1.9		240
CB16L-A2		12	19	175	100	155	4.95	1.08	1.9		240
CB16L-B		12	19	175	100	155	4.95	1.23	1.9		240
CB16L-B2		12	19	175	100	155	4.95	1.23	1.9		240
SCB16L-B		12	19	175	100	155	4.95	1.23	1.9		240
CB16-B-LM	YB16-B-CX	12	19	176	101	156	4.95	1.23	1.9		240
CB16HL-A-LM	YB16HL-A-CX	12	19	176	101	156	4.95	1.23	1.9		240
CB18-A		12	18	181	90.5	164	4.65	1.2	1.8		235
CB18L-A		12	18	181	90.5	164	4.65	1.2	1.8		235
CB18L-A2		12	18	181	90.5	164	4.65	1.2	1.8		235
C50-N18A-A		12	20	205	90	176	4.5	1.47	2		260
C50-N18L-A		12	20	205	90	162	4.5	1.47	2		260
C50-N18L-A2		12	20	205	90	162	4.5	1.47	2		260
C50-N18L-A3		12	20	205	90	162	4.5	1.47	2		260
C50-N18L-AT		12	20	205	90	162	4.5	1.47	2		260
SC50-N18L-A		12	20	205	90	162	4.5	1.47	2		260
SC50-N18L-AT		12	20	205	90	162	4.5	1.47	2		260
C50-N18L-A-LM	Y50N18L-A-CX	12	20	205	90	162	4.50	1.47	2		260
B68-12		12	28	186	125	175	5.4	1.77	2.8		260
C60-N24-A		12	28	185	126	175	5.4	1.77	2.8		280
C60-N24AL-B		12	28	185	126	175	5.4	1.77	2.8		280
C60-N24L-A		12	28	185	125	175	5.4	1.77	2.8		280
C60-N24L-A2		12	28	185	125	175	5.4	1.77	2.8		280
CHD4-12	YHD-12	12	30	202	130	165	6.5	1.89	3		280
C60-N30L-A(53030)		12	30	187	130	170	5.8	1.77	3		300
C60-N30L-B		12	30	187	130	170	5.8	1.65	3		300
CB30L-B		12	30	168	132	176	6.8	1.65	3		300
CB30CL-B		12	30	168	132	192	7.1	1.65	3		300

Maintenance Free

"POWEROAD" maintenance free batteries with acid pack became popular on motorcycles because its acid is absorbed into the medium which separates the plates, so it cannot spill, and this medium also lends support to the plates which helps them better to withstand vibration.

Lowest Self Discharge

(ambient temperature of storage at 77°)



Maintenance Free Series Specification

Yucell Super MF

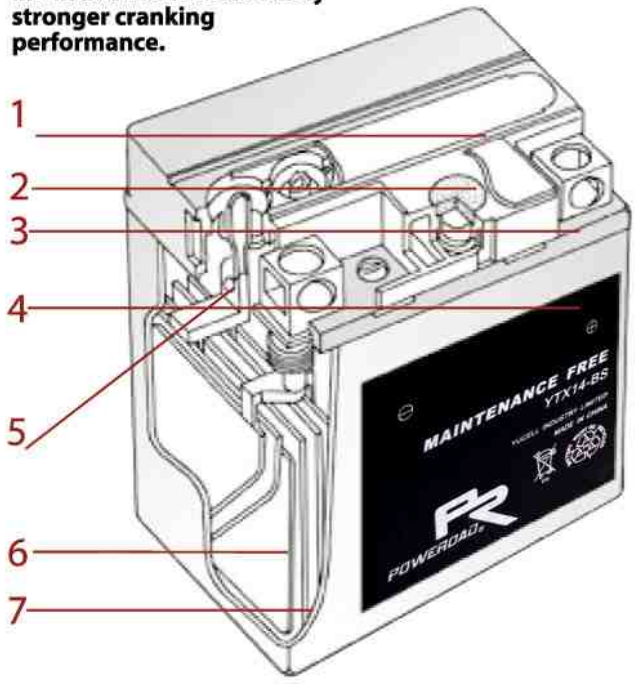
Yucell Super MF is top priority battery replacement, which means more power, less maintenance and longer life. They are your best choice for Motorcycles, Scooters, ATVs, Riding mowers, Personal watercrafts and snowmobiles.

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H					
YTZ5-BS	YTZ5-S	12	4	114	70	85	1.50	0.28	0.4		45
YTZ7-BS	YTZ7-S	12	5	113	70	105	1.95	0.37	0.5		85
YT7B-BS	YT7B-4 MF TYPE	12	6	150	65	92	2.13	0.41	0.6		85
YT9B-BS	YT9B-4	12	8	150	69	102	2.49	0.55	0.8		100
YTZ10-BS	YTZ10-S	12	8.5	150	87	95	2.48	0.58	0.85		130
YT12B-BS	YT12B-4 MF TYPE	12	10	150	69	130	3.06	0.67	1		115
YTZ12-BS	YTZ12-S	12	11	150	87	110	3.00	0.67	1.1		140
YT14B-BS	YT14B-4	12	12	150	69	145	3.42	0.84	1.2		135
YTZS14-BS	YTZ14S	12	12	150	87	110	3.00	0.67	1.2		140

MF Batteries

Absolutely free from maintenance and acid spillage, designed for use in any position and in a wider range of temperatures from -20°C to +50°C.

The unique gas recombination system remarkably prolongs battery life in addition to extremely stronger cranking performance.



1 Sealed top flat cover prevents acid leakage and allows the use in any position.

2 Unique filtering / safety vent system prevents explosion and acid leakage.

3 Heat-sealed case to cover bonded into one unit for maximum strength.

4 PP container and cover withstands severe vibration and impact. Resistant against gas/oil.

5 Exclusive thru-the-partition weld for greater cranking power and resistance against vibration.

6 Heavy-duty lead calcium plates for the lowest self-discharge and a long service life. Withstand vibration.

7 Electrolyte retentive separator ensures no fluid acid. For the completely maintenance free

YUCELL INDUSTRY LIMITED

Powersports Battery

For:Motorcycles, Scooters, Jet skis, Atvs, Snowmobiles & More

Maintenance Free Series Specification

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Approx. Weight W/O.Acid (Kg)	Approx. Acid Per Battery (L)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H					
YTR4A-BS		12	2.3	113	48	85	0.845	0.13	0.23		25
YTX4B-BS		12	2.3	113	39	85	781	0.13	0.23		30
YT4L-BS		12	3	114	70	85	1.17	0.18	0.3		40
YTX4L-BS		12	3	114	70	85	1.17	0.18	0.3		40
YB3L-BS	YB3L-B MF TYPE	12	3	98	56	110	1.04	0.19	0.3		32
YB4L-BS	YB4L-B MF TYPE	12	4	120	70	92	1.42	0.23	0.4		50
YTX5L-BS		12	4	114	70	105	1.54	0.25	0.4		55
YTZ5S-BS	YTZ5-S	12	4	114	70	85	1.50	0.28	0.4		45
YB5L-BS	YB5L-B MF TYPE	12	5	120	61	128	1.44	0.33	0.5		50
YTX7A-BS		12	6	151	87	93	1.92	0.37	0.6		85
YTX7L-BS		12	6	114	70	130	1.92	0.36	0.6		75
YT7B-BS	YT7B-4 MF TYPE	12	6	150	65	92	2.13	0.41	0.6		85
YTX6.5L-BS	12N6.5-3B	12	6.5	139	66	102	1.71	0.36	0.65		60
YTR9-BS		12	8	150	87	106	2.42	0.43	0.8		80
YTX9-BS		12	8	151	87	106	2.32	0.43	0.8		90
YTX9L-BS		12	8	151	87	106	2.32	0.43	0.8		90
YT9B-BS	YT9B-4	12	8	150	69	102	2.49	0.55	0.8		100
YTZ10-BS	YTZ10-S	12	8.5	150	87	95	2.48	0.58	0.85		130
YB9A-BS	YB9-A MF TYPE	12	9	135	76	140	2.40	0.50	0.9		90
YTX12-BS		12	10	151	87	130	2.89	0.56	1		160
YTX12A-BS		12	10	151	87	106	2.64	0.46	1		120
YTX12L-BS		12	10	151	87	130	2.89	0.56	1		160
YT12B-BS	YT12B-4 MF TYPE	12	10	150	69	130	3.06	0.67	1		115
YTZ12-BS	YTZ12-S	12	11	150	87	110	3.00	0.67	1.1		140
YTX14-BS		12	12	151	87	146	3.60	0.66	1.2		180
YTX14AH-BS		12	12	134	89	163	3.85	0.64	1.2		160
YTX14AHL-BS	WP14L-2	12	12	134	89	163	3.85	0.64	1.2		160
YTX14L-BS		12	12	151	87	146	3.60	0.66	1.2		180
YT14B-BS	YT14B-4	12	12	150	69	145	3.42	0.84	1.2		135
YTZS14-BS	YTZ14S	12	12	150	87	110	3.00	0.67	1.2		140
YTX15-BS		12	13	175	87	130	3.84	0.70	1.3		180
YTX16-BS		12	14	151	87	158	3.90	0.76	1.4		200
YTX16L-BS		12	14	151	87	158	3.90	0.76	1.4		200
YTX16L-BS-1		12	14	151	87	158	3 90	0 76	1 4		200
YTH16-12		12	14	151	87	158	4.20	0.76	1.4		230
YTX18-BS		12	18	205	86	164	5.42	1.13	1.8		240
YTX18L-BS		12	18	205	86	164	5.42	1.13	1.8		240
YTX20-BS		12	18	175	86	154	4.49	0.92	1.8		210
YTX20L-BS		12	18	175	86	154	4.49	0.92	1.8		210
YTX20CH-BS		12	18	151	87	161	4.30	0.85	1.8		250
YTX20H-BS		12	18	175	86	155	4.74	0.95	1.8		250
YTX20HL-BS		12	18	175	86	155	4.74	0.95	1.8		250
YTX20HL-BS-PW		12	18	175	86	155	4.74	0.95	1.8		250
YTX19-BS		12	19	175	100	155	5.15	0.96	1.9		190
YTX19L-BS		12	19	175	100	155	5.15	0.96	1.9		190
YTX19CL-BS		12	21	175	100	175	5.93	1.14	2.1		210
YIX50-BS		12	21	205	86	164	5.42	1.13	2.1		240
YIX50L-BS		12	21	205	86	164	5.42	1.13	2.1		240
YTX24HL-BS		12	22	205	87	162	6.55	1.14	2.2		300
YIX30-BS		12	28	168	127	177	7.28	1.50	2.8		280
YIX30L-BS		12	28	166	127	177	7.28	1.50	2.8		280
YB30CL-BS	YB30CL-B	12	30	168	132	192	7.97	1.62	3		300
Y60-N30L-BS	Y60-N3-L-A/B	12	30	186	130	170	7.25	1.65	3		300

Installation & Charging Instructions

Maintenance Free Battery

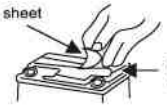
How to add electrolyte

(A) PRECAUTION -

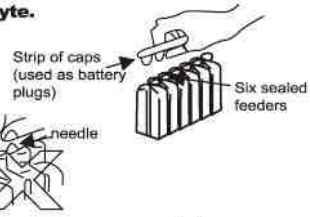
1. Make sure the battery is out of the vehicle.
2. Make sure the electrolyte is specified for your battery.

(B) INSTRUCTION -

1.Preparing the battery.
- Stand the battery on a level surface and remove sealing sheet.

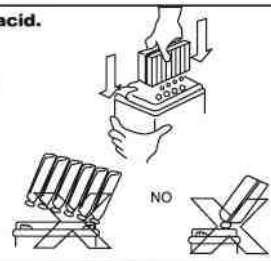


2.Preparing the electrolyte.
- Take the shrink wrapping off the electrolyte container and remove strip of caps.
Note - Do not pierce or peel the sealed feeders.



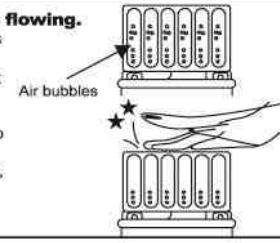
3.Filling the battery with acid.
- With the electrolyte container upside down, place it into the battery, matching the six sealed feeders with the six filler ports in the battery.
PRESS DOWN STRONGLY until the seals break, the electrolyte should now flow into the battery.

NOTE - Do not tilt the electrolyte contalner.



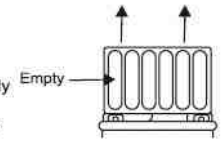
4.Checking the electrolyte is flowing.
- Make sure you can see air bubbles rising from the six filler ports. Leave the container in this state for at least 20 minutes.

NOTE - If air bubbles do not begin to rise, pat the bottom of the container two or three times, DO NOT REMOVE the container from the battery.

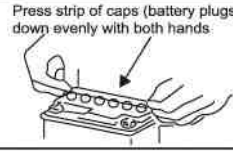


5.Removing the container.
- Be sure the container is completely empty of electrolyte, then slowly pull the container out of the battery.

NOTE - The acid will have been completely absorbed by the separator and plates in the battery. There will be no flowing acid in the battery.



6.Sealing the battery.
- Fit the strip of caps tightly into the filler ports. Make sure the strip sits flush with the top of the battery.



7.Filling procedure complete.

Never attempt to remove the strip of caps or add water or electrolyte to the battery.

These batteries are a sealed maintenance free consrtuction, which means:
- Never add water.
- Use a 12 volt, 1 amp motorcycle battery charger to charge your battery at the correct rate to suit your specific battery model as indicated in the chart below.
- If battery becomes very hot to touch, cease charging and allow battery to cool down.

Battery type	Recommended charging time using 1 amp charger*
YT4	2 hours
YT5	2-1/2 Hours
YTX7	3-1/2 Hours
YTX9	4-1/2 Hours
YTX12	12 Hours
YTX14	14 Hours
YTX16	16 Hours
YTX20	20 Hours

* NOTE:
- These charging rates are recommended for the first initial charge.
- Charging rates will vary depending on the type of charger used.
- If a trickle or taper charger is used, charging time may be longer.

Allow battery to sit 1-2 hours before checking voltage reading.

VOLTAGE READING SHOULD BE A MINIMUM OF 12.8 - 13.0 VOLTS AFTER CHARGING.
IF OPEN CIRCUIT VOLTAGE READING (WITH VOLTMETER),IS NOT 12.8 VOLTS OR MORE, REPEAT CHARGING CYCLE.

Battery Voltage Reading using a Voltmeter

State of Charge	Maintenance Free Baltery
100%	13.0 Volts
75%	12.8 Volts
50%	12.5
25%	12.2
0%	12.0 or less

Battery Maintenance

Periodic battery maintenance should be performed whether or not a starting problem has occurred. The following procedures will help prevent premature battery failure:

1.Keep the battery clean of all dirt, especially around the terminal area.
2.If the motorcycle is not used frequently. the battery will require additional recharging. Specific charging rates or times may vary because of the following:
(A) Battery's electrical capacity. (B) Battery state of charge at the start of charging. (C) Battery age and condition. (D) Type of charger.
3.Check the voltage of the battery to make sure it is in 100% charged condition.

Sealed Factory Activated

In our Sealed MF design, the acid is completely absorbed into glass mat separators which are sandwiched between the lead plates. It's a totally sealed and maintenance free design.

"POWEROAD" AGM motorbike batteries offer the following advantages over conventional batteries:

- Its unique design eliminates the need to maintain water levels.
- AGM technology will not leak or corrode on paint and chrome.
- Less internal resistance which offers more CCA amperage than wet batteries.
- By nature AGM motorcycle batteries are more heat and vibration resistant than conventional batteries, both which contribute to the large majority of failures in motorcycle applications.
- Slower self discharge rate (longer shelf life) means battery can sit for extended periods of time without constant monitoring. A wet battery discharges 15% a month, where our AGM motorbike batteries discharge only 2-3% a month.

Comparison YS12-4L-BS/YTX4L-BS/CB4L-B

	YS12-4L-BS	YTX4L-BS	CB4L-B
Dimensions(LxWxH)in mm	114x71x86	114x70x85	120x70x92
Type of battery	Sealed wet charged	Maintenance Free	Convertional
Battery Capacity AH(10H-R)	3Ah	3Ah	4Ah
CCA(Din)in Amps	50A	40A	50A
Acid supplied together with battery	Acid already inside	Separate acid pack	No
Position of use	Any	Any exept upside down	Upright
Transport class	Normal	Dangerous Goods	Normal
Ready for use	Immediately	After filling and charging	After filling and charging

Sealed Factory Activated Series

SEALED FACTORY ACTIVATED BATTERY FEATURES

SAFETY VALVE FLAME/ARRESTOR RELIEVES EXCESS PRESSURE

THRU-PARTITION CONSTRUCTION PROVIDES SHORTER CURRENT PATH WITH LESS RESISTANCE FOR MORE CRANKING POWER

SEALED POST PREVENTS ACID LEAKAGE,REDUCES CORROSION,AND EXTENDS BATTERY LIFE

SPECIAL ACTIVE MATERIAL IN THE PLATES IS COMPOUNDED TO WITHSTAND VIBRATION, PROLONGING BATTERY LIFE AND DEPENDABILITY

HEAT SEALED COVER TO CASE PROTECTS AGAINST LEAKAGE AND CORROSION BONDED UNIT PROVIDING EXTRA STRENGTH

SPECIAL GRID DESIGN WITHSTANDS SEVERE VIBRATION AND ASSURES MAXIMUM CONDUCTIVITY

POLYPRORYLENE COVER AND CONTAINER ASSURE RESERVE ELECTROLYTE CAPACITY FOR COOLER OPERATING TEMPSRATURE AND GIVES GREATER RESISTANCE TO GAS,OIL,AND IMPACT IN EXTREME WEATHER CONDITIONS

SPECIAL SEPARATOR MAKES THE BATTERY SPILLAGE-PROOF, VALVE REGULATED DESIGN ELIMINATES WATER LOSS AND THE NEED TO REFILL WITH ACID

YUCELL INDUSTRY LIMITED

Powersports Battery

For:Motorcycles, Scooters, Jet skis, Atvs, Snowmobiles & More

Sealed Factory Activated Series Specification

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Weight (Kg)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H				
YS6-4-2A	6N4-2A	6	4	71	71	93	0.91	0.40		
YS6-6-3B	6N6-3B	6	6	98	56	115	1.27	0.60		
YS6-12B	3-MA-12	6	14	105	77	140	2.20	1.40		
YS12-4A-BS	YTX4A-BS	12	2.3	113	48	85	1.19	0.23		25
YS12-4B-5	YT4B-5	12	2.3	113	39	85	0.73	0.23		15
YS12-4B-BS	YTX4B-BS	12	2.3	113	39	85	0.73	0.23		20
YS12-2.5LC	YB2.5L-C	12	2.5	81	70	105	1.20	0.25		25
YS1225	BS1225	12	3	112	87	69	0.14	0.30		30
YS1225L	BS1225L	12	3	223	44	69	0.19	0.30		30
YS12-4L-BS	YTX4L-BS/YTZ3S	12	3	114	69	87	1.53	0.30		35
YS1230	FBT19	12	3.2	112	57	81	1.40	0.32		30
YS1230A	FHD1230	12	3.2	112	57	81	1.40	0.32		30
YS12-3L-A	YB3L-A/YB3L-B	12	3.5	98	55	110	1.28	0.35		32
YS12-4LB	YB4L-B	12	4	120	71	93	1.85	0.40		45
YS12-5ZS	YTZ5-S	12	4	113	70	85	1.68	0.40		35
YS12-5L-BS	YTX5L-BS	12	4	114	69	109	1.97	0.40		55
YS12-5-3B	YB5L-B	12	5	120	61	131	2.00	0.50		50
YS12-6B-3	YT6B-3/YTZ7S	12	5	113	70	105	2.36	0.50		85
YS12-6ZS	YTZ6-S	12	5	110	68	110	2.16	0.50		50
YS12-7B-4	YT7B-4	12	6	150	65	92	2.57	0.60		85
YS12-6.5-3B	12N6.5-3B	12	6.5	139	66	102	2.20	0.65		60
YS12-7-3A	12N7-3A	12	7	149	60	129	2.58	0.70		80
YS12-7A-BS	YTX7A-BS	12	7	151	87	94	2.52	0.70		85
YS12-7L-BS	YTX7L-BS	12	7	114	69	135	2.64	0.70		75
YS12-9-BS	YTX9-BS	12	8	151	87	107	2.83	0.80		90
YS12-9B-4	YT9B-4	12	8	150	69	102	3.10	0.80		100
YS12-9L-BS	YTX9L-BS	12	8	151	87	1070	2.83	0.80		90
YS12-10B-4	YTZ10-S	12	8.5	150	87	95	3.10	0.85		130
YS12-9-4B1	12N9-4B-1/YB9L-B	12	9	136	76	139	3.18	0.90		95
YS12-12A-BS	YTX12A-BS	12	9.5	150	87	106	3.23	0.95		120
YS12-10LA2	YB10L-A2	12	10	135	90	145	4.08	1.00		110
YS12-12-BS	YTX12-BS	12	10	151	87	133	3.77	1.00		100
YS12-12L-BS	YTX12L-BS	12	10	151	87	133	3.77	1.00		100
YS12-12B-4	YT12B-4	12	10	150	69	130	3.75	1.00		115
YS12-12ZS	YTZ12-S	12	11	150	87	110	3.67	1.10		140
YS12-12A-4A1	12N12A-4A-1,YB12A-A	12	12	134	80	160	4.17	1.20		120
YS12-14-BS	YTX14-BS	12	12	150	86	145	4.65	1.20		120
YS12-14B-4	YT14B-4	12	12	150	69	145	4.26	1.20		135
YS12-14L-A2	YB14L-A2	12	12	135	89	160	4.65	1.20		160
YS12-14L-BS	YTX14L-BS	12	12	150	86	145	4.65	1.20		120
YS12-14Z-S	YTZ14S	12	12	150	87	110	3.67	1.20		140
YS12-15-BS	YTX15-BS	12	13	175	87	130	4.76	1.30		140
YS12-16-BS	YTX16-BS,YTX16L-BS	12	14	151	87	161	5.13	1.40		160
YS12-14-3A	YB14L-A2/12N14-3A	12	14	135	89	160	4.65	1.40		160

Sealed Factory Activated Series Specification

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)			Weight (Kg)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H				
YS12-14A-A2	YB14A-A2	12	14	134	89	170	4.69	1.40		160
YS12-16AL-A2	YB16AL-A2	12	14.5	205	71	163	5.72	1.45		160
YS12-18	SLA12-18/NH12-18	12	18	181	77	167	5.99	1.80		170
YS12-N18L-A2	Y50-N18L-A2	12	18	205	91	160	6.90	1.80		200
YS12-20-BS	YTX20-BS	12	18	175	86	155	5.73	1.80		210
YS12-20L-BS	YTX20L-BS	12	18	175	86	155	5.73	1.80		210
YS12-20CH-BS	YTX20CH-BS	12	18	151	87	161	5.60	1.80		250
YS12-20H-BS	YTX20H-BS	12	18	175	86	155	5.95	1.8		250
YS12-20HL-BS	YTX20HL-BS	12	18	175	86	155	5.95	1.8		250
YS12-16-B	YB16-B/YB16-A	12	19	175	100	156	6.52	1.90		220
YS12-16L-B	YB16L-B/YB16L-B	12	19	175	100	156	6.52	1.90		220
YS12-16CL-B	YTX19CL-BS/YB16CL-B	12	19	175	100	174	6.55	1.90		220
YS12-19	51913/ 51814/12C16A-3B	12	19	186	82	171	6.65	1.90		240
YS12-19-BS	YTX19-BS	12	19	175	100	155	6.39	1.90		190
YS12-19L-BS	YTX19L-BS	12	19	175	100	155	6.39	1.90		190
YS12-19CL-BS	YTX19CL-BS	12	21	175	100	175	7.44	2.10		210
NH1220L	SLA12-22L	12	22	195	131	180	7.15	2.20		200
NH1220R	SLA12-22R	12	22	195	131	180	7.15	2.20		200
YS12-24HL-BS	YTX24HL-BS	12	24	205	87	162	8.05	2.4		300
YS12-YIX30-BS	YIX30-BS	12	28	168	127	177	9.26	2.80		280
YS12-YIX30L-BS	YIX30L-BS	12	28	168	127	177	9.26	2.80		280
YS12-30CL-B	YB30CL-B	12	30	168	132	192	10.55	3.00		280
YSY60-N30L	Y60-N30L-A/B	12	30	186	130	170	9.42	3.00		300
YS12-32L	SLA12-32L	12	32	195	131	180	9.65	3.20		320
YS12-32R	SLA12-32R	12	32	195	131	180	9.65	3.20		320

Installation Instructions

Sealed Factory Activated Batteries

1)Check battery open circuit voltage.

2a)When voltage is lower than 12,60 V or storing time is longer than 6 months, the battery must be recharged as described at following item 3

2b)When voltage is higher than 12,60 V, battery may be installed on the vehicle without any refreshing charge.

3a)Constant voltage charging mode

.Constant voltage range =14.40-14.70 V

.Initial charging current =0.1-0.5 Cn

.Charging time =min.6/max. 24 hrs

3b)Constant current or power charging mode

.Max charging current =0.1 Cn

.Recommended charging time =5-8 hrs.

.The result [(charging current) x (charging time)] must be within the range 0.5-0.8 Cn

N.B. when charging procedures different from those above described are used, in any case max. currents and 24 hours charging duration must not be exceeded

Sealed Gel MF

"POWEROAD" gel battery is built with the electrolyte enclosed in a gel substanceand makes it ideal for applications where the weather is severely cold or where high shock occurs.
The advantage of this design is that the battery is leakage-proof forever. It can be operated in any position and can be used in close proximity to people. Additional benefits: no electrolyte evaporation or spillage, higher cranking amps, lower self-discharge and longer shelf life, greater vibration resistance, heavy duty, no-corrosion terminals.

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)				Weight (Kg)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H	HL				
YG6-180	3-QA-180	6	180	259	182	284	284	32	18		
YG4B-BS	YT4B-5	12	2.3	113	39	85	85	0.978	0.23		25
YG4A-BS	YTX4A-BS	12	2.3	113	48	85	85	1.2	0.23		35
YG2.5L-C	YB2.5L-C	12	2.5	81	71	105	105	1.25	0.25		20
YG1225	BS1225 GATES	12	3	223	44	69	69	1.2	0.3		25
YG1225L	BS1225	12	3	112	87	69	69	1.2	0.3		25
YGFBT19	FBT19	12	3.2	112	57	81	81	1.4	0.32		30
YG3L-A	YB3L-A/YB3L-B	12	3	98	56	109	109	1.3	0.3		30
YG4L-BS	YTX4L-BS	12	3.8	114	69	87	87	1.41	0.38		30
YG4L-B	YB4L-B	12	4	120	71	93	93	1.76	0.4		40
YG5ZS	YTZ5-S	12	4	113	70	85	85	1.7	0.4		36
YG5L-BS	YTX5L-BS	12	5	114	69	109	109	2	0.5		45
YG5-3B	YB5L-B	12	5	120	61	131	131	1.93	0.5		45
YG6ZS	YTZ6-S	12	5.5	110	68	110	110	2.2	0.55		50
YG7B-4	YT7B-4	12	6	150	65	92	92	2.6	0.6		60
YG7L-BS	YTX7L-BS	12	6	114	69	135	135	2.6	0.6		60

Sealed Gel MF Series Specification

Model No	Same Dimensions As YUASA Model	Voltage (V)	Capacity 10HR (Ah)	Dimensions(±1mm)				Weight (Kg)	Charge Current (A)	Assembly Figure	CCA/-18℃
				L	W	H	HL				
YG7A-BS	YTX7A-BS	12	6	151	87	94	94	2.54	0.6		60
YG7ZS	YTZ7-S	12	6	113	70	105	105	2.56	0.6		40
YG6.5	12N6.5-3B	12	6.5	139	66	102	102	2.18	0.65		60
YG7-3A	12N7A-3A/12N7A-3B	12	7	149	60	129	129	2.62	0.7		65
YG9B-4	YT9B-4	12	8	150	65	102	102	3.1	0.8		75
YG9-BS	YTX9-BS	12	8	151	87	107	107	3.05	0.8		80
YG9L-BS	YTX9L-BS	12	8	151	87	107	107	3.05	0.8		80
YG10ZS	YT10ZS	12	8.5	150	87	95	95	3.14	0.85		100
YG9-3A	12N9-3A,CB9L-A,CB9L-B	12	9.5	136	76	139	139	3.35	0.95		90
YG9-4B1	12N9-4B-1,CB9-A,CB-B	12	9.5	136	76	139	139	3.35	0.95		90
YG12A-BS	YTX12A-BS	12	10	150	87	106	106	3.35	1		95
YG10L-A2	YB10L-A2	12	10	135	90	145	145	4.2	1		100
YG12B-4	YT12B-4	12	10.5	150	69	130	130	3.81	1.05		95
YG12-BS	YTX12-BS	12	11	151	87	133	133	3.9	1.1		100
YG12L-BS	YTX12L-BS	12	11	151	87	133	133	3.9	1.1		100
YG12ZS	YTZ12-S	12	11	150	87	110	110	3.75	1.1		115
YG14ZS	YTZ14-S	12	11.2	150	87	110	110	3.75	1.12		115
YG12A-4A1	12N12A-4A-1	12	12	134	80	160	160	4.3	1.2		120
YG12AL-A	YB12AL-A,YB12AL-A2	12	12	134	80	160	160	4.3	1.2		120
YG14B-4	YT14B-4	12	12.5	150	69	145	145	4.36	1.25		110
YG15-BS	YTX15-BS	12	13	175	87	130	130	4.9	1.3		130
YG14-BS	YTX14-BS	12	13.5	151	87	145	145	4.65	1.35		120
YG14L-BS	YTX14L-BS	12	13.5	151	87	145	145	4.65	1.35		120
YG14L-A2	YB14L-A2	12	14	134	89	161	161	4.76	1.4		140
YG14AL-A2	YB14AL-A2	12	14	134	89	161	161	4.76	1.4		140
YG14A-A1	YB14A-A1	12	14	134	89	170	170	4.76	1.4		140
YG16AL-A2	YB16AL-A2	12	16	205	70	163	163	5.84	1.6		160
YG12-18	SLA12-18	12	18	181	77	166	166	5.79	1.8		180
YG20-BS	YTX20-BS	12	18.5	175	87	155	155	6	1.85		180
YG20L-BS	YTX20L-BS	12	18.5	175	87	155	155	6	1.85		180
YG16-B	YB16-A/YB16-B	12	19	175	100	156	156	6.72	1.9		190
YG16L-B	YB16L-A/YB16L-B	12	19	175	100	156	156	6.72	1.9		190
YG16CL-B	YB16CL-B	12	19	175	100	174	174	6.8	1.9		190
YG51913	51913(12C16A-3B)	12	19	186	82	171	171	6.74	1.9		190
YG19L-BS	YTX19L-BS	12	19	175	100	155	155	6.45	1.9		190
YG19-BS	YTX19-BS	12	19	175	100	155	155	6.45	1.9		190
YG24HL-BS	YTX24HL-BS	12	22	205	87	162	162	8.1	2.2		280
YG19CL-BS	YTX19CL-BS	12	21	175	100	175	175	7.51	2.1		210
YG12-22L	SLA12-22L	12	24	195	131	180	180	8.21	2.4		220
YG12-22R	SLA12-22R	12	24	195	131	180	180	8.21	2.4		220
YGYIX30	YIX30-BS	12	28	168	127	177	177	9.3	2.8		280
YGYIX30L	YIX30L-BS	12	28	168	127	177	177	9.3	2.8		280
YGY60-N30L	Y60-N30L-A/B	12	29	186	130	170	170	9.42	2.90		300
YG30CL-B	CB30CL-B	12	28	168	132	192	192	10	2.8		280

Precaution and Instructions for Using GEL Motorcycle Battery

1. Using the Gel Battery:

1.1 Before connecting your Gel battery to the motorcycle, check the voltage of the battery to make sure it is under good condition. The battery s voltage should read between the ranges 12.6 to 13.15 volts. Consult with you battery dealer if the battery voltage read is outside this voltage range.

1.2 While fitting the Gel battery to your machine, make sure that the voltage and capacity of the Gel battery are same as marked on the one being replaced.

1.3 Make sure the battery cables are connected tightly to the correspondent polarity pole or terminal on the Gel battery.

1.4 Never put the Gel battery in a scaled container, such as sealed plastic bag, to avoid explosion from the battery.

1.5 Avoid long time in direct sun shine or near heat source.

1.6 Avoid contact of the Gel battery to any corrosive stuff.

1.7 Avoid budge abnormal vibration on the Gel battery.

1.8 When connecting the Gel battery to the machine or charger, make sure the power switches are on Off status.

2. Storage:

2.1 This Gel battery should be stored in a dry, clean, and unsealed place.

2.2 Keep the Gel battery away from heat sources.

2.3 It is recommended to charge the battery every few months during the storage period. If the average room temperature is between 20 to 30℃, recharge the battery every 4 months; If the average room temperature is under 20℃,recharge the battery every 8 months.

2.4 Fully charge the battery before storing the Gel battery.

3. Precautions:

3.1 Keep children from contacting with the Gel battery.

3.2 Do not using flame or fire in the charging area while recharging the Gel battery.

3.3 Never recharge the Gel battery in a current value over the Max Charging Current in the following Specification lists.

3.4 Return the replaced batteries to the recycle bin.

4. Recharge the Gel battery:

4.1 The gel battery may need a recharge if the voltage reads fewer than 12.6 volts.

4.2 The battery is well charged if the battery voltage reads 13.10 to 13.15 volts one hour after charging.

4.3 In normal conditions, recharge the Gel battery for 10 hours by using the Normal Charging Current in these lists.

4.4 If you are using a smart charger to recharge the Gel battery, then apply to the instruction menu of your smart charger while do the recharge.

4.5 Maximum recharge current (Please refer to the following lists for the MAX Charging Current (Amps) while using a regular charger).

Appendix

Designation of Battery Type Numbers

Examples:

6	N	2		-	2	A	-	8
12	N	12	A	-	4	A	-	1
a	b	c	d		e	f		g

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

CB	16	A	L	-	A	2
h	i	d	e		f	g

YTX	7	L	-	B	S
k	i	e		g	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)
f - location of opening for exhaust(see Fig. 2)
g - type of terminal
h - symbol of High Performance batteries
I - battery size
j - cranking or starting power
k - symbol of Yucell maintenance free (AGM) batteries (YT, YIX, YTR, YTX)
l - sealed, non- spillable

"e" Polarity Location (L indlcates positive terminal is located at right side.)

Fig.1

6N4C-1B 6N2-2A CB10L-A2 CB12A-A

"f" Location of opening for exhaust

Fig.2

12N12A-4A-1 CB16CL-B YB2-5L-C 6N6-1D-2

YUCELL INDUSTRY LIMITED

Powersports Battery

For:Motorcycles, Scooters, Jet skis, Atvs, Snowmobiles & More

Appendix

Please refer to the following chart to identify the battery terminal configurations.

BATTERY TERMINAL CONFIGURATIONS

	Terminal			Battery Type				
	FRONT	SIDE	TOP					
1				CB7C-A	CB14L-A1	YTX16-BS-1	YS12-14L-A1	YG14L-A1
2				CB9L-A2	CB16AL-A2	CB14-A1		
				YG16AL-A2	YS12-16AL-A2	YS12-14-A1	YG14-A1	
3				CB7L-B	12N24-3	12N24-3A	12N24-4	C60-N24AL-B
				C60-N30AL-B	C60-N30L-A	C60-N24A-A	12N24-4A	12C16A-3B
				B68-12				
4				CB12C-A	CB30L-B	CB30CL-B	12N18-3A	C50-N18L-A3
				YTX18-BS	YTX20H-BS	YTX20-BS	YTX20L-BS	YTX20HL-BS
				YTX50-BS	YTX24HL-BS	YTX24H-BS	YTX30L-BS	
				YS12-30CL-B	YS12-20-BS	YS12-30L-BS		
				YG30CL-B	YG20-BS			
5				CB4L-B	YB5L-BS	CB7S-4B	CB16CL-B	
				CB16B-A1	CB16CL-B	CB4L-A	YB4L-BS	
				YTX4L-BS	YTX5L-BS	YTX7A-BS	YTX9-BS	YTX12-BS
				YTX14-BS	YTX16-BS	YTX14AH-BS	YTX14AHL-BS	YTX19-BS
				YTX19L-BS	YTX19CL-BS			
				YTZ5S-BS				
				YS12-4L-BS	YS12-5L-BS	YS12-7A-BS	YS12-9-BS	YS12-12-BS
				YS12-14L-BS	YS12-16CL-B	YS12-16-BS	YS12-24HL-BS	YS12-4LB
				YS12-19-BS	YS12-19L-BS	YS12-19CL-BS		
				YG4L-BS	YG4L-B	YG5L-BS	YG7A-BS	YG9-BS
				YG12-BS	YG14L-BS	YG16CL-B	YG24HL-BS	YGN50L-AB
				YG19L-BS	YG19-BS	YG19CL-BS		
6				CB3L-A	CB5L-B	CB7-A	CB9A-A	CB9-B
				CB10L-B	CB12A-A	CB12A-B	CB12AL-A	CB14A-A
				CB16-B	CB16B-B-LM	YB3L-BS	CB16HL-A-LM	CB16HL-B-LM
				6N6-3B	6N6-3B-1	6N11-2D	6N11A-4A	
				B49-6	B39-6	B38-6A		
				12N5-3B	12N5-4B	12N5.5-3B	12N7-4A	12N7-3B
				12N7D-3B	12N9-4B	12N10-3A	12N10-3A-1	
				12N10-3B	12N11-3B	12N18-3	12N5.5-4A	12N11-3A
				YS12-16L-B	YS12-16-B	YS6-12B	YS12-12A-4A1	
				YG3L-A	YG16-B	YG14A-A1	YG16L-B	YG12AL-A
				YG9-4B-1	YG12A-4A1			

BATTERY TERMINAL CONFIGURATIONS

	Terminal			Battery Type				
	FRONT	SIDE	TOP					
7				CB16B-A	CB18-A	CB18L-A	HCB16A-A	C50-N18L-A2
				C50-N18A-A	CB16B-A	SC50-N18L-AT		
				YS12-N18L-A2	YGN50-18LA			
8				CB10L-B2	CB10L-A2	CB10A-A2	CB12AL-A2	CB12B-B2
				CB14-A2	CB14-B2	CB14L-A2	CB14L-B2	CB14A-A2
				SCB14L-A2	CB14AL-A2			
				12N10-3A-2	12N11-3A-1	12N14-3A		
				YS12-14L-A2				
				YG10L-A2	YG14AL-A2	YG14L-A2		
9				CHD4-12	12N9-3A			
10				YS12-6B-3	YS12-7B-4	YS12-9B-4	YS12-12B-4	YS12-14B-4
				YS12-5ZS	YTZ7S/(YS12-6B-3)	YS12-10B-4	YS12-12ZS	YS12-14ZS
				YTX12A-BS	YS12-6ZS	YTZ10S-BS	YTR9-BS	YT7B-BS
				YT9B-BS	YT12B-BS	YT14B-BS		
				YS12-4L-BS	YS12-5L-BS	YS12-7L-BS	YS12-7A-BS	YS12-9-BS
				YS12-12-BS	YS12-14-BS	YS12-16-BS	YS12-20CH-BS	YS12-20-BS
				YS12-20HL-BS				
				YG7B-4	YG9B-4	YG12B-4	YG14B-4	
				YG5ZS	YG7ZS	YG10ZS	YG12ZS	YG14ZS
				YG12A-BS	YG9-4B1	YG4L-BS	YG5L-BS	YS7L-BS
				YG7A-BS	YG9-BS	YG12-BS	YG14-BS	YG20-BS
				YG20HL-BS				
11				51814	51913	C60-N30L-A(53030)		
				YS51913	YG12-19L			
12				YS12-4B-5	YS12-4A-BS			
				YG4A-BS	YG4B-BS			
13				YIX30L-BS	YIX30-BS			

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