



All Power Sports Applications

BATTERY DATA 2014






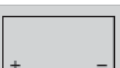










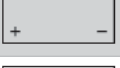



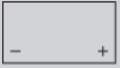


BATTERY DATA²⁰¹⁴





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


















Lithium Ion batteries

SHIDO LITHIUM REF	DIMENSIONS inc. SPACERS (mm)			LION APPROX. WEIGHT (KG)	LEAD ACID BATTERY WEIGHT WITH ACID (KG)	LION CAPACITY @ 10HR (AH)	LEAD ACID BATTERY CAPACITY @ 10HR (AH)	LION BATTERY CCA	LEAD ACID BATTERY CCA	LION ENERGY (Wh)	CHARGE CURRENT (AMP)		ASSEMBLY FIGURE
	L	W	H								STD	MAX	
51913 LION	186	82	171	1,7	5,8	7,2	18,0	450	250	86	4,0	28	
LT12B-BS LION	150	65	130	1,1	3,6	4,8	10,0	290	160	58	2,5	24	
LT14B-BS LION	150	65	145	1,1	3,6	4,8	10,0	290	160	58	2,5	24	
LT7B-BS LION	150	65	93	0,7	2,3	3,0	6,0	190	120	36	1,5	15	
LT9B-BS LION	150	65	105	0,7	2,3	3,0	6,0	190	120	36	1,5	15	
YT12A-BS LION	150	87	105	0,9	3,5	3,5	10,0	210	175	42	2,0	18	
LTX12-BS LION	150	87	130	0,9	3,5	3,5	10,0	210	175	42	2,0	18	
LTX14AH-BS LION	134	89	166	1,1	4,6	4,8	12,0	290	210	58	2,5	24	
LTX14L-BS LION	134	89	145	1,1	4,8	4,8	12,0	290	200	58	2,5	24	
LTX14AHL-BS LION	134	89	166	1,1	4,8	4,8	12,0	290	200	58	2,5	24	
LTX14-BS LION	150	87	145	1,1	4,8	4,0	12,0	240	200	48	2,0	20	
LTX14H-BS LION	150	87	145	1,1	4,8	4,0	12,0	240	200	48	2,0	20	
LTX16-BS LION	150	87	161	1,4	4,9	6,0	14,0	360	230	72	3,0	24	
LTX16-BS-1 LION	150	87	161	1,4	4,9	6,0	14,0	360	230	72	3,0	24	
LTX20CH-BS LION	150	87	161	1,4	4,9	6,0	14,0	360	230	72	3,0	24	
LTX20-BS LION	175	87	155	1,7	6,6	7,0	18,0	420	270	84	3,5	28	
LTX20H-BS LION	175	87	155	1,7	6,6	7,0	18,0	420	270	84	3,5	28	
LTX20L-BS LION	175	87	155	1,7	6,7	7,0	18,0	420	310	84	3,5	28	
LTX20HL-BS LION	175	87	155	1,7	6,7	7,0	18,0	420	310	84	3,5	28	

SHIDO LITHIUM REF	DIMENSIONS inc. SPACERS (mm)			LION APPROX. WEIGHT (KG)	LEAD ACID BATTERY WEIGHT WITH ACID (KG)	LION CAPACITY @ 10HR (AH)	LEAD ACID BATTERY CAPACITY @ 10HR (AH)	LION BATTERY CCA	LEAD ACID BATTERY CCA	LION ENERGY (Wh)	CHARGE CURRENT (AMP)		ASSEMBLY FIGURE
	L	W	H								STD	MAX	
LTX24HL-BS LION	175	87	162	1,7	6,7	7,0	18,0	420	310	84	3,5	28	
LTX15L-BS LION	175	87	130	1,7	6,7	7,0	18,0	420	310	84	3,5	28	
LTX18L-BS LION	175	87	130	1,7	6,7	7,0	18,0	420	310	84	3,5	28	
LIX30L-BS LION	166	126	175	2,0	9,9	9,0	30,0	540	400	98	4,0	36	
LTX7A-BS LION	150	87	94	0,6	2,4	2,4	6,0	160	90	29	1,0	12	
LTX9-BS LION	150	87	105	0,7	2,9	3,0	8,0	180	120	36	1,5	15	
LTX10S LION	150	87	93	0,9	2,9	4,0	8,6	240	190	48	2,0	20	
LTX12S LION	150	87	110	1,1	3,6	4,5	11,0	290	210	54	2,5	22	
LTX14S LION	150	87	110	1,1	3,6	4,5	11,0	290	210	54	2,5	22	
LTX15S LION	113	70	85	0,5	1,6	2,0	4,0	120	65	24	1,0	10	
LTX4L-BS LION	114	71	86	0,4	1,4	1,6	3,0	105	50	19	1,0	5	
LTX5L-BS LION	114	71	106	0,4	1,4	1,6	3,0	105	50	19	1,0	5	
LTX7S LION	113	70	105	0,6	2,0	2,4	6,0	150	130	29	1,0	12	
LTX7L-BS LION	113	70	131	0,6	2,0	2,4	6,0	150	130	29	1,0	12	

Lead-acid batteries

BATTERY REF	NOTE			YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						

MAINTENANCE FREE - HP														
YTX14AH-BS	(ii)	N	S	Y	12	134	89	166	4,9	0,66	1,2	210	4	
YTX14AHL-BS		N	S	Y	12	134	89	166	4,9	0,66	1,2	210	4	
YTX14H-BS		N	S	-	12	150	87	145	4,8	0,69	1,2	240	4	
YTX20CH-BS		N	S	Y	18	150	87	161	6,1	0,82	1,8	270	4	
YTX20H-BS		N	S	Y	18	175	87	155	6,3	0,93	1,8	310	4	
YTX20HL-BS		N	S	Y	18	175	87	155	6,3	0,93	1,8	310	4	
YTX20HL-BS-PW	(i)	N	-	-	18	175	87	175	6,3	0,93	1,8	310	4	
YTX24H-BS		N	-	-	21	205	87	162	7,9	0,99	2,1	350	4	
YTX24HL-BS		N	S	Y	21	205	87	162	7,9	0,99	2,1	350	4	
YTZ3	FA	-	-	-	2,5	113	70	85	1,4	N/A	0,3	-	5	
YTZ5S	FA	-	S	-	3,5	113	70	85	1,6	N/A	0,4	65	5	
YTZ6V	FA	-	-	-	5	113	70	105	2,1	N/A	0,5	90	5	
YTZ7S	FA	N	S	Y	6	113	70	105	2,1	N/A	0,6	130	5	
YTZ7S-BS		N	-	-	6	113	70	105	2,1	0,3	0,6	130	5	
TTZ7S		-	-	Y	6	113	70	105	2,1	N/A	0,6	130	5	
YTZ10S	FA	N	S	Y	8,6	150	87	93	3,2	N/A	0,9	190	11	
YTZ10S-BS		N	-	-	8,6	150	87	93	3,2	0,4	0,9	190	11	
TTZ10S-BS		-	-	Y	8,6	150	87	93	3,2	N/A	0,9	190	11	
YTZ12S	FA	N	S	Y	11	150	87	110	3,7	N/A	1,1	210	11	
YTZ12S-BS		N	-	-	11	150	87	110	3,7	0,6	1,1	210	11	
TTZ12S-BS		-	-	Y	11	150	87	110	3,7	N/A	1,1	210	11	
YTZ14S	FA	N	S	Y	11,2	150	87	110	3,9	N/A	1,1	230	11	
YTZ14S-BS		N	-	-	11,2	150	87	110	3,9	0,6	1,1	230	11	
TTZ14S-BS		-	-	Y	11,2	150	87	110	3,9	N/A	1,1	230	11	
GYZ20L	FA	-	S	-	20	175	87	155	6,9	N/A	2	250	4	
GYZ20H	FA	-	-	-	20	175	87	155	7,1	N/A	2	310	14	

BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO SPECIAL FOR STATIONARY APPLICATIONS	YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (re- fer to tab 3)	Assembly Figure
						L	W	H						
GYZ20HL	FA	-	-	-	20	175	87	155	7,1	N/A	2	310	14	
YIX30L	FA	-	-	-	30	166	126	175	9,9	N/A	3	385	5	
YIX30L-BS		N	S	-	30	166	126	175	9,9	1,40	3	385	5	
51913 SEALED	FA	N	-	-	20	186	82	171	5,6	N/A	1,9	190	10	

MAINTENANCE FREE - VRLA														
YTR4A-BS		N	-	Y	2,3	114	49	86	1,1	0,14	0,3	45	12	
YT4B-BS		N	-	Y	2,3	114	39	86,5	1,1	0,12	0,3	40	13	
YT4L-BS		N	-	-	3	114	71	86	1,6	0,18	0,4	40	5	
YTX4L-BS		-	S	Y	3	114	71	86	1,4	0,18	0,4	50	5	
YTC4L-BS	FA	N	-	-	4	114	71	86	1,4	N/A	0,4	75	5	
YT5L-BS		-	-	-	4	114	71	106	2	0,24	0,5	45	5	
YTX5L-BS		N	S	Y	4	114	71	106	2	0,24	0,5	80	5	
YB5L-BS		N	-	-	5	120	60	130	2	0,36	0,5	65	6	
YTC5L-BS	FA	N	-	-	5	114	71	106	2	0,24	0,5	80	5	
YT7B-4	FA	N	-	-	6,5	150	65	93	2,7	N/A	N/	110	11	
YT7B-BS	(iii)	N	S	Y	6,5	150	65	93	2,7	0,33	0,7	110	11	
YTX7A-BS		N	S	Y	6	150	87	94	2,6	0,33	0,7	105	5	
YTX7L-BS		N	S	Y	6	114	71	131	2,5	0,33	0,6	100	5	
YT9B-4	FA	N	-	-	8	150	70	105	3,4	N/A	0,8	120	11	
YT9B-BS	(iii)	N	S	Y	8	150	70	105	3,4	N/A	0,8	120	11	
YTX9-BS		N	S	Y	8	150	87	105	3	0,4	0,9	135	5	
YTX9A-BS		N	-	-	9	135	75	135	2,95	0,5	0,9	135		

(i) INCLUDES 20mm SPACER REQUIRED WHEN REPLACING YB16CL-B

(ii) INCLUDES 10mm SPACER REQUIRED WHEN REPLACING YB14A-A1 & YB14A-A2

(iii) Can be supplied either Wet Charged or Dry Charged with Acid bottle upon customer's request.

(iv) Acid bottle included

FA: Factory Activated

HP: High Performance










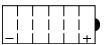








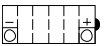


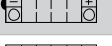



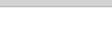


* CCA (Cold Cranking Amps) rating is for reference only. CCA is a theoretically calculated value. Actual performance may vary due to test conditions.

** CCA values referred here are based on DIN standard (Reference Only)

BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO LITHIUM ION FOR FUEL CELLS	YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (re- fer to tab 3)	Assembly Figure
						L	W	H						
YT12A-BS		N	S	Y	10	150	87	105	3,5	0,5	1	175	11	
YT12B-4	FA	N	-	-	10	150	69	130	4,1	N/A	1	210	11	
YT12B-BS	(iii)	N	S	Y	10	150	69	130	4,1	0,5	1	210	11	
YTX12-BS		N	S	Y	10	150	87	130	4,2	0,6	1,2	180	5	
YT14B-4	FA	N	-	-	12	150	70	145	4,6	N/A	1,2	210	11	
YT14B-BS	(iii)	N	S	Y	12	150	70	145	4,6	N/A	1,2	210	11	
YTX14-BS		N	S	Y	12	150	87	145	4,6	0,69	1,4	200	5	
YTX14L-BS		N	-	Y	12	150	87	145	4,6	0,69	1,4	200	5	
YTX15L-BS		N	S	Y	13	175	87	130	4,8	0,69	1,3	230	4	
YTX16-BS		N	S	Y	14	150	87	161	5,3	0,78	1,4	230	4	
YTX16-BS-1		N	S	Y	14	150	87	161	5,3	0,78	1,4	230	1	
YTX18L-BS		-	S	-	16	175	87	130	6,4	1,12	1,6	240	4	
YTX20A-BS		-	-	-	17	150	87	161	6,0	0,82	1,7	270	4	
YTX20-BS		N	S	-	18	175	87	155	6,7	0,93	1,8	270	4	
YTX20L-BS		N	S	Y	18	175	87	155	6,7	0,93	1,8	270	4	

HIGH CRANKING

YB16-B-CX		-	-	Y	19	175	100	155	6,3	1,2	1,9	255	6	
YB16HL-A-CX		-	-	Y	19	175	100	155	6,3	1,2	1,9	255	6	
Y50-N18L-A-CX		-	-	Y	20	205	90	162	7,4	1,4	2		7	
YB2.5L-C		N	-	Y	2,5	80	70	105	1	0,24	0,3	19	-	
YB2.5L-CWA	(iv)	N	-	-	2,5	80	70	105	1	0,24	0,3	19	-	
YB2.5L-C-1		-	-	-	2,5	80	70	105	1	0,24	0,3	19	-	
YB2.5L-C-2		-	-	-	2,5	81	71	106	1	0,24	0,3	19	-	
YB3L-A		N	-	Y	3	98	56	110	1,3	0,24	0,3	32	6	
YB3L-A WA	(iv)	N	-	-	3	98	56	110	1,3	0,24	0,3	32	6	
YB3L-B		N	-	Y	3	98	56	110	1,3	0,24	0,3	32	6	
YB3L-B WA	(iv)	N	-	-	3	98	56	110	1,3	0,24	0,3	32	6	
YB4L-A		-	-	-	4	120	70	92	1,5	0,3	0,4	56	5	
YB4L-B		N	-	Y	4	120	70	92	1,5	0,3	0,4	56	5	
YB4L-B WA	(iv)	N	-	-	4	120	70	92	1,5	0,3	0,4	56	5	
YB5L-B		N	-	Y	5	120	60	130	2	0,36	0,5	65	6	

BATTERY REF	NOTE			YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						
YB5L-B WA	(iv)	N	-	-	4	120	70	92	1,5	0,3	0,4	56	5	
YB6L-B	-	-	-	-	6	138	72,5	100	2,1	0,4	0,6	80	6	
YB7-A		N	-	Y	8	135	75	133	3	0,6	0,8	124	6	
YB7-A WA	(iv)	N	-	-	8	135	75	133	3	0,6	0,8	124	6	
YB7B-B		-	-	-	7	150	60	130	3,1	0,5	0,7	115	6	
YB7C-A		N	-	Y	8	130	90	114	3	0,6	0,8	124	3	
YB7C-A WA	(iv)	N	-	-	8	130	90	114	3	0,6	0,8	124	3	
YB7L-B		N	-	Y	8	135	75	133	2,9	0,6	0,8	124	6	
YB7L-B WA	(iv)	N	-	-	8	135	75	133	2,9	0,6	0,8	124	6	
YB7L-B2		N	-	Y	8	135	75	133	2,9	0,6	0,8	124	4	
YB7L-B2 WA	(iv)	N	-	-	8	135	75	133	2,9	0,6	0,8	124	4	
YB9A-A		N	-	-	9	135	75	155	3,1	0,6	0,9	124	6	
YB9A-A WA	(iv)	N	-	-	9	135	75	155	3,1	0,6	0,9	124	6	
YB9L-A2		N	-	Y	9	135	75	139	3,1	0,6	0,9	124	2	
YB9L-A2 WA	(iv)	N	-	-	9	135	75	139	3,1	0,6	0,9	124	2	
YB9-B		N	-	Y	9	135	75	139	3,1	0,6	0,9	130	6	
YB9-B WA	(iv)	N	-	-	9	135	75	139	3,1	0,6	0,9	130	6	
YB9L-B		N	-	-	9	135	75	139	3,1	0,6	0,9	130	6	
YB9L-B WA	(iv)	N	-	-	9	135	75	139	3,1	0,6	0,9	130	6	
YB10A-A2		-	-	-	11	135	90	155	4	0,8	1,1	160	8	
YB10L-A2		N	-	Y	11	135	90	145	4,2	0,8	1,1	160	8	
YB10L-A2 WA	(iv)	N	-	-	11	135	90	145	4,2	0,8	1,1	160	8	
YB10L-B		-	-	Y	11	135	90	145	4	0,8	1,1	160	6	
YB10L-B2		N	-	Y	11	135	90	145	4	0,8	1,1	160	8	
YB10L-B2 WA	(iv)	N	-	-	11	135	90	145	4	0,8	1,1	160	8	
YB10L-BP		-	-	Y	12	135	90	145	4	0,8	1,1	160	8	

(i) INCLUDES 20mm SPACER REQUIRED WHEN REPLACING YB16CL-B

(ii) INCLUDES 10mm SPACER REQUIRED WHEN REPLACING YB14A-A1 & YB14A-A2

(iii) Can be supplied either Wet Charged or Dry Charged with Acid bottle upon customer's request.





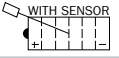























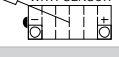




(iv) Acid bottle included

FA: Factory Activated

HP: High Performance

* 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 referred here are based on DIN standard (Reference Only)

BATTERY REF	NOTE			YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						
YB12A-A		N	-	Y	12	134	80	160	4,1	0,8	1,2	165	6	
YB12A-A WA	(iv)	N	-	-	12	134	80	160	4,1	0,8	1,2	165	6	
YB12A-AK		-	-	-	10	134	80	160	3,5	0,8	1,0	165	6	
YB12AL-A		N	-	Y	12	134	80	160	4	0,75	1,2	165	6	
YB12AL-A WA	(iv)	N	-	-	12	134	80	160	4	0,75	1,2	165	6	
YB12AL-A2		N	-	Y	12	134	80	160	4	0,75	1,2	165	8	
YB12AL-A2 WA	(iv)	N	-	-	12	134	80	160	4	0,75	1,2	165	8	
YB12A-B		N	-	Y	12	134	80	160	4	0,75	1,2	165	6	
YB12A-B WA	(iv)	N	-	-	12	134	80	160	4	0,75	1,2	165	6	
YB12B-B2		N	-	Y	12	160	90	130	4	0,8	1,2	165	8	
YB12B-B2 WA	(iv)	N	-	-	12	160	90	130	4	0,8	1,2	165	8	
YB12C-A		N	-	Y	12	134	80	175	4,3	0,8	1,2	165	4	
YB12C-A WA	(iv)	N	-	-	12	134	80	175	4,3	0,8	1,2	165	4	
YB14-A2		N	-	Y	14	134	89	166	4,6	0,9	1,4	190	8	
YB14-A2 WA	(iv)	N	-	-	14	134	89	166	4,6	0,9	1,4	190	8	
YB14-B2		N	-	Y	14	134	89	166	4,6	0,9	1,4	190	8	
YB14-B2 WA	(iv)	N	-	-	14	134	89	166	4,6	0,9	1,4	190	8	
YB14A-A1		-	-	-	14	134	89	176	4,5	0,9	1,4	190	6	
YB14A-A2		N	-	Y	14	134	89	176	4,5	0,9	1,4	190	8	
YB14A-A2 WA	(iv)	N	-	-	14	134	89	176	4,5	0,9	1,4	190	8	
YB14L-A		-	-	-	14	134	89	166	4,6	0,9	1,4	190	1	
YB14L-A1		-	-	-	14	134	89	166	4,6	0,9	1,4	190	1	
YB14L-A2		N	-	Y	14	134	89	166	4,6	0,9	1,4	190	8	
YB14L-A2 WA	(iv)	N	-	-	14	134	89	166	4,6	0,9	1,4	190	8	
YB14L-B2		N	-	Y	14	134	89	166	4,6	0,9	1,4	190	8	
YB14L-B2 WA	(iv)	N	-	-	14	134	89	166	4,6	0,9	1,4	190	8	
SYB14L-A2		-	-	-	14	134	89	166	4,6	0,9	1,4	190	8	
YB16AL-A2		N	-	Y	16	207	71,5	164	5,3	1,1	1,6	200	2	
YB16AL-A2 WA	(iv)	N	-	-	16	207	71,5	164	5,3	1,1	1,6	200	2	
HYB16A-AB		N	-	Y	16	151	91	180	5	0,9	1,6	210	7	
HYB16A-AB WA	(iv)	N	-	-	16	151	91	180	5	0,9	1,6	210	7	

BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO LITHIUM ION ATTENTION FOR SPECIAL USES	YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (re- fer to tab 3)	Assembly Figure
						L	W	H						
YB16-B		N	-	Y	19	175	100	155	6,3	1,2	1,9	240	6	
YB16-B WA	(iv)	N	-	-	19	175	100	155	6,3	1,2	1,9	240	6	
YB16L-B		N	-	Y	19	175	100	155	6,3	1,2	1,9	240	6	
YB16L-B WA	(iv)	N	-	-	19	175	100	155	6,3	1,2	1,9	240	6	
YB16B-A		-	-	-	16	160	90	161	5,1	1	1,6	207	4	
YB16B-A1		N	-	Y	16	160	90	161	5,1	1	1,6	207	7	
YB16B-A1 WA	(iv)	N	-	-	16	160	90	161	5,1	1	1,6	207	7	
YB16CL-B		N	-	Y	19	175	100	175	6,1	1,2	1,9	240	5	
YB16CL-B WA	(iv)	N	-	-	19	175	100	175	6,1	1,2	1,9	240	5	
YB18-A		-	-	-	18	180	90	162	5,8	1,2	1,8	235	7	
YB18L-A		N	-	Y	18	180	90	162	5,8	1,2	1,8	235	7	
YB18L-A WA	(iv)	N	-	-	18	180	90	162	5,8	1,2	1,8	235	7	
Y50-N18A-A		-	-	-	20	205	90	176	6,5	1,5	2	260	7	
Y50-N18L-A		N	-	Y	20	205	90	162	7,4	1,4	2	260	7	
Y50-N18L-A WA	(iv)	N	-	-	20	205	90	162	7,4	1,4	2	260	7	
Y50-N18L-A3		N	-	Y	20	205	90	162	7,4	1,4	2	260	4	
Y50-N18L-A3 WA	(iv)	N	-	-	20	205	90	162	7,4	1,4	2	260	4	
SY50-N18L-AT		-	-	Y	20	205	90	162	6,5	1,4	2	260	7	
Y60-N24-A		-	-	-	28	184	124	175	8,6	1,7	2,8	300	3	
Y60-N24L-A		N	-	Y	28	184	124	175	8,6	1,7	2,8	300	3	
Y60-N24L-A WA	(iv)	N	-	-	28	184	124	175	8,6	1,7	2,8	300	3	
Y60-N24AL-B		N	-	-	28	184	124	175	8,6	1,7	2,8	300	3	
Y60-N24AL-B	(iv)	N	-	-	28	184	124	175	8,6	1,7	2,8	300	3	
Y60-N30L-A		N	-	-	30	186	130	171	9,4	1,6	3	180	10	
Y60-N30L-A WA	(iv)	N	-	-	30	186	130	171	9,4	1,6	3	180	10	
YB30L-B		-	-	Y	30	168	132	176	8,5	1,7	3	300	4	

(i) INCLUDES 20mm SPACER REQUIRED WHEN REPLACING YB16CL-B

(ii) INCLUDES 10mm SPACER REQUIRED WHEN REPLACING YB14A-A1 & YB14A-A2

(iii) Can be supplied either Wet Charged or Dry Charged with Acid bottle upon customer's request.



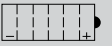








(iv) Acid bottle included

FA: Factory Activated












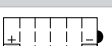






HP: High Performance

* 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 referred here are based on DIN standard (Reference Only)

BATTERY REF	NOTE			YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						
YB30CL-B		N	-	Y	30	168	132	192,2	8,8	1,7	3	300	4	
YB30CL-B WA	(iv)	N	-	-	30	168	132	192,2	8,8	1,7	3	300	4	
51814	**	-	-	-	18(20HR)	186	82	171	5,6	1	1,9	100	10	
51814 WA	** (iv)	N	-	-	18(20HR)	186	82	171	5,6	1	1,9	100	10	
51913	**	N	S	Y	19(20HR)	186	82	171	5,6	1	1,9	100	10	
51913 WA	** (iv)	N	-	-	19(20HR)	186	82	171	5,6	1	1,9	100	10	
52515	**	-	-	Y	25(20HR)	186	130	171	8,4	1,8	2,5	130	10	
53030	**	N	-	Y	30(20HR)	186	130	171	9,4	1,6	3	180	10	
53030 WA	** (iv)	N	-	-	30(20HR)	186	130	171	9,4	1,6	3	180	10	

CONVENTIONAL - 12V

12N5-3B		N	-	Y	5	120	60	130	2	0,4	0,5	39	6	
12N5-3B WA	(iv)	N	-	-	5	120	60	130	2	0,4	0,5	39	6	
12N5-4B		-	-	-	5	120	60	130	2	0,4	0,5	39	6	
12N5.5-3B		N	-	Y	5,5	135	60	130	2,5	0,4	0,6	60	6	
12N5.5-3B WA	(iv)	N	-	-	5,5	135	60	130	2,5	0,4	0,6	60	6	
12N5.5-4A		-	-	-	5,5	135	60	130	2,5	0,4	0,6	60	2	
12N5.5-4B		N	-	Y	5,5	138	61	131	2,5	0,4	0,6	60	6	
12N5.5-4B WA	(iv)	N	-	-	5,5	138	61	131	2,5	0,4	0,6	60	6	
12N5.5A-3B		N	-	Y	5,5	103	90	114	2,4	0,5	0,6	58	6	
12N5.5A-3B WA	(iv)	N	-	-	5,5	103	90	114	2,4	0,5	0,6	58	6	
12N7-3B		N	-	Y	7	135	75	133	3	0,5	0,7	74	6	
12N7-3B WA	(iv)	N	-	-	7	135	75	133	3	0,5	0,7	74	6	
12N7-3B-2		N	-	-	7	135	75	133	3	0,5	0,7	74	5	
12N7-3B-2 WA	(iv)	N	-	-	7	135	75	133	3	0,5	0,7	74	5	
12N7-4A		N	-	Y	7	135	75	133	3	0,5	0,7	74	6	
12N7-4A WA	(iv)	N	-	-	7	135	75	133	3	0,5	0,7	74	6	
12N7-4B		-	-	-	7	135	75	133	3	0,5	0,7	74	6	
12N7B-3A		-	-	-	7	151	61	131	2,9	0,5	0,7	74	6	
12N7D-3B		-	-	-	7	135	75	150	2,9	0,6	0,7	74	6	
12N9-3A		-	-	-	9	135	75	139	3,3	0,6	0,9	85	9	
12N9-3B		N	-	Y	9	135	75	139	3,2	0,6	0,9	85	6	

BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO LITHIUM ION FOR FUEL CELLS	YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (re- fer to tab 3)	Assembly Figure
						L	W	H						
12N9-3B WA	(iv)	N	-	-	9	135	75	139	3,2	0,6	0,9	85	6	
12N9-4B-1		N	-	Y	9	135	75	139	3,2	0,6	0,9	85	6	
12N9-4B-1 WA	(iv)	N	-	-	9	135	75	139	3,2	0,6	0,9	85	6	
12N10-3A		-	-	-	10	135	90	145	3,9	0,8	1	103	6	
12N10-3A-1		-	-	-	10	135	90	145	3,9	0,8	1	103	6	
12N10-3A-2		-	-	-	10	135	90	145	3,9	0,8	1	103	8	
12N10-3B		-	-	-	10	136	91	146	3,9	0,8	1	103	6	
12N11-3A-1		-	-	-	11	135	90	155	3,6	0,8	1,1	128	8	
12N11-3B		-	-	-	11	135	90	155	3,6	0,8	1,1	128	6	
12N12-3B		-	-	-	12	202	76	134	4,4	0,8	1,2	120	6	
12N12A-4A-1		N	-	Y	12	134	80	160	3,7	0,7	1,2	113	6	
12N12A-4A-1 WA	(iv)	N	-	-	12	134	80	160	3,7	0,7	1,2	113	6	
12N14-3A		N	-	Y	14	134	89	166	4,5	0,8	1,4	128	8	
12N14-3A WA	(iv)	N	-	-	14	134	89	166	4,5	0,8	1,4	128	8	
12N24-3A		-	-	-	24	184	124	175	7,9	1,8	2,4	200	3	
12N24-3A WA	(iv)	N	-	-	24	184	124	175	7,9	1,8	2,4	200	3	
12N24-3		N	-	-	24	184	124	175	7,9	1,8	2,4	200	3	
YHD-12		N	-	-	28	206	133	165	8,3	2,2	2,8	240	9	
YHD-12 WA	(iv)	N	-	-	28	206	133	165	8,3	2,2	2,8	240	9	

CONVENTIONAL - 6V

6N2-2A		-	-	-	2	70	47	96	0,5	0,1	0,2		-	
6N2-2A-1		-	-	-	2	70	47	96	0,5	0,1	0,2		-	
6N2-2A-3		-	-	-	2	70	47	96	0,5	0,1	0,2		-	
6N2-2A-4		-	-	-	2	70	47	96	0,5	0,1	0,2		-	
6N2-2A-8		-	-	-	2	70	47	96	0,5	0,1	0,2		-	
6N2A-2C		-	-	-	2	70	47	106	0,5	0,1	0,2		-	

(i) INCLUDES 20mm SPACER REQUIRED WHEN REPLACING YB16CL-B

(ii) INCLUDES 10mm SPACER REQUIRED WHEN REPLACING YB14A-A1 & YB14A-A2

(iii) Can be supplied either Wet Charged or Dry Charged with Acid bottle upon customer's request.










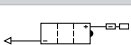
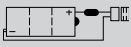
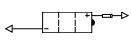


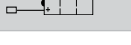




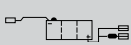
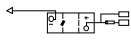


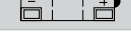

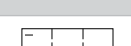

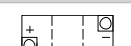




(iv) Acid bottle included

FA: Factory Activated

HP: High Performance

* 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 referred here are based on DIN standard (Reference Only)

BATTERY REF	NOTE			YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						
6N2A-2C-3		-	-	-	2	70	47	106	0,5	0,1	0,2		-	
6N2A-2C-4		-	-	-	2	70	47	106	0,5	0,1	0,2		-	
6N4-2A		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-3		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-4		N	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-4 WA	(iv)	N	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-5		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-6		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-7		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-8		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4-2A-12		-	-	-	4	71	71	96	0,8	0,2	0,4		-	
6N4A-4D		-	-	-	4	61	57	131	1	0,2	0,4		-	
6N4B-2A		N	-	-	4	102	48	96	1	0,2	0,4		-	
6N4B-2A WA	(iv)	N	-	-	4	102	48	96	1	0,2	0,4		-	
6N4B-2A-3		-	-	-	4	102	48	96	1	0,2	0,4		-	
6N4B-2A-4		-	-	-	4	102	48	96	1	0,2	0,4		-	
6N4B-2A-5		-	-	-	4	102	48	96	1	0,2	0,4		-	
6N4C-1B		-	-	-	4	71	71	105	0,8	0,2	0,4		-	
6N5.5-1D		-	-	-	5,5	90	70	100	1,1	0,3	0,6		-	
6N5.5-1D-1		-	-	-	5,5	90	70	100	1,1	0,3	0,6		-	
6N6-1B		-	-	-	6	99	57	111	1,2	0,3	0,6		-	
6N6-3B		N	-	-	6	99	57	111	1,3	0,3	0,6		6	
6N6-3B-1		-	-	-	6	99	57	111	1,3	0,3	0,6		6	
6N6-3B-1 WA	(iv)	-	-	-	6	99	57	111	1,3	0,3	0,6		6	
6N6-1D		-	-	-	6	99	57	111	1,2	0,3	0,6		-	
6N6-1D-2		-	-	-	6	99	57	111	1,2	0,3	0,6		-	
B39-6		-	-	Y	7	126	48	126	1,7	0,3	0,7		6	
B39-6 WA	(iv)	N	-	-	7	126	48	126	1,7	0,3	0,7		6	
B49-6		-	-	Y	8	91	83	161	2,1	0,5	0,8		6	
B49-6 WA	(iv)	N	-	-	8	91	83	161	2,1	0,5	0,8		6	
6N11-2D		-	-	-	11	150	70	100	2	0,4	1,1		6	

BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO LITHIUM ION BATTERIES	YUASA	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	Assembly Figure
						L	W	H						
6N11A-1B	-	-	-	-	11	122	62	131	2,1	0,4	1,1		6	
6N11A-3A	N	-	-	-	11	122	62	131	2,1	0,4	1,1		6	
6N11A-3A WA	(iv)	N	-	-	11	122	62	131	2,1	0,4	1,1		6	
6N11A-4	-	-	-	-	11	122	62	131	2,1	0,4	1,1		6	
6N12-4A	-	-	-	-	12	170	55	139	2,6	0,5	1,2		9	
B54-6	-	-	-	-	12	156	57	116	2,3	0,5	1,2		6	
6N12A-2D	-	-	-	-	12	156	57	116	2,3	0,45	1,2		6	
B38-6A	N	-	-	Y	13	119	83	161	2,9	0,62	1,3		6	
B38-6A WA	(iv)	N	-	-	13	119	83	161	2,9	0,62	1,3		6	
6YB8L-B	-	-	-	-	8	120	70	95	1,6	0,31	0,8		6	
6YB11-2D	-	-	-	-	11	150	70	100	2	0,4	1,1		6	

(i) INCLUDES 20mm SPACER REQUIRED WHEN REPLACING YB16CL-B

(ii) INCLUDES 10mm SPACER REQUIRED WHEN REPLACING YB14A-A1 & YB14A-A2

(iii) Can be supplied either Wet Charged or Dry Charged with Acid bottle upon customer's request.

(iv) Acid bottle included

FA: Factory Activated

HP: High Performance

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

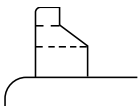
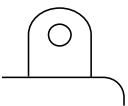
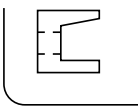
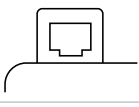
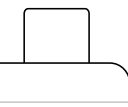
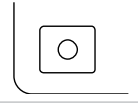
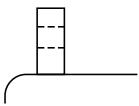
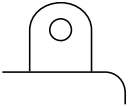
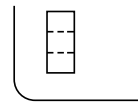
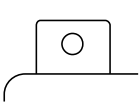
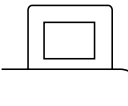
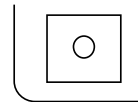
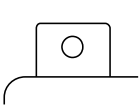
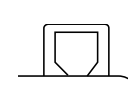
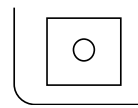
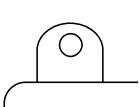
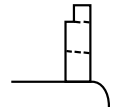
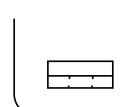
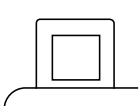
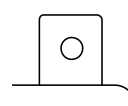
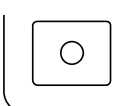
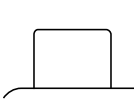
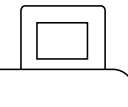
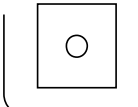


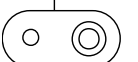
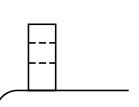
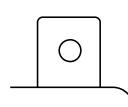
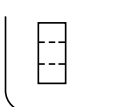
** CCA values referred here are based on DIN standard (Reference Only)

HVT Lead-acid batteries

BATTERY TYPE	BATTERY REF	NOTE	nitro A BATTERY FULL OF ENERGY	SHIDO LITHIUM ION BATTERIES	YUASA	VOLT (V)	CAPACITY Ah (10HR) unless stated	DIMENSIONS - MILLIMETERS (± 2mm)			WEIGHT with Acid (Kg)	ACID VOLUME (Litre)	CHARGE CURRENT (Amps)	CCA* @ -18°C	TERMINAL TYPE (refer to tab 3)	
								L	W	H						
HEAVY V-TWIN	HVT 01	FA	N	-	-	12	18	176	87,5	155	7,1	0,8	1,8	310	15	
HEAVY V-TWIN	HVT 02	FA	N	-	-	12	30	169	131	174	10	1,3	3	385	15	
HEAVY V-TWIN	HVT 03	FA	N	-	-	12	12	150	87	146	4,8	0,55	1,2	200	15	
HEAVY V-TWIN	HVT 04	FA	N	-	-	12	19	175	100	157	7,5	0,8	1,9	240	15	
HEAVY V-TWIN	HVT 05	FA	N	-	-	12	19	175	100	157	7,5	0,8	1,9	240	15	
HEAVY V-TWIN	HVT 06	FA	N	-	-	12	22	205	90	163	8,5	1	2,2	350	15	
HEAVY V-TWIN	HVT 07	FA	N	-	-	12	28	205	130	165	8,6	1,2	2,8	370	9	
HEAVY V-TWIN	HVY 08	FA	N	-	-	12	12	150	87	146	4,8	0,55	1,2	200	15	
HEAVY V-TWIN	HVY 09	FA	N	-	-	12	7	137	76	134	3	0,3	0,7	120	15	
HEAVY V-TWIN	HVT 10	N	-	-	-	6	22	115	100	214	4,7	1	2,2	/	9	

FA: Factory Activated

Terminal types

TYPE	TERMINAL SHAPE			BATTERY REFERENCE				
	FRONT	SIDE	TOP					
1				YB7C-A	YB14L-A1			
				YTX16-BS-1				
2				YB9L-A2	YB16AL-A2			
				12N5.5-4A				
3				Y60-N24-A	12N24-3	12N24-3A		
4				YB12C-A	YB16B-A	Y50-N18L-A3	YB30L-B	YB30CL-B
				YTX14L-BS	YTX14AH-BS	YTX14AHL-BS	YTX14H-BS	YTX15L-BS
				YTX20CH-BS	YTX20-BS	YTX20L-BS	YTX20H-BS	YTX20HL-BS
				YTX20HL-BS-PW	YTX24HL-BS	GYZ20L		
5				YTZ3	YTZ5S	YTZ6	YTZ7S	YTX4L-BS
				YTX5L-BS	YTX7A-BS	YTX7L-BS	YTX9-BS	YT12A-BS
				YTX12-BS	YTX14-BS	YTX16-BS	YTX20A-BS	YIX30L
				YB4L-A	YB4L-B	YB16C-B	YB16CL-B	
6				YB3L-A	YB3L-B	YB5L-B	YB6L-B	YB7-A
				YB7B-B	YB7L-B	YB9A-A	YB9-B	YB9L-B
				YB10L-B	YB12A-A	YB12A-B	YB12AL-A	YB14A-A1
				YB16-B	YB16-B-CX	YB16L-B	YB16HL-A-CX	12N5-3B
				12N5-4B	12N5.5-3B	12N5.5A-3B	12N5.5-4B	12N7-3B
				12N7-4A	12N7-4B	12N7D-3B	12N9-3B	12N9-4B-1
				12N12A-4A-1	6N6-3B	6N6-3B-1	6N11A-1B	6N11A-3A
				6N11-2D	6N12A-2D	6YB8L-B	6YB11-2D	HVT-9
				B38-6A	B39-6	B49-6	B54-6	
				HYB16A-AB	YB16B-A1**	YB18-A	YB18L-A	
Y50-N18A-A	Y50-N18L-A	Y50-N18L-A-CX	SY50-N18L-AT					
7								
8				YB10A-A2	YB10L-A2	YB10L-B2	YB12AL-A2*	
				YB12B-B2	YB14-A2	YB14A-A2	YB14L-A2	
				SYB14L-A2	YB14-B2	YB14L-B2		
				12N10-3A-2	12N11-3A-1	12N14-3A		
9				YHD-12				
				12N9-3A				
				HVT-7	HVT-10	YHD-12		
10				51814	51913	52515	53030	

TYPE	TERMINAL SHAPE			BATTERY REFERENCE				
	FRONT	SIDE	TOP					
11				YT7B-BS	YT9B-BS	YT12B-BS	YT14B-BS	
				YTZ10S	YTZ12S	YTZ14S		
12				YTR4A-BS				
13				YT4B-BS				
14				GYZ20H	GYZ20HL			
15				HVT-1	HVT-2	HVT-3	HVT-4	HVT-5
				HVT-6	HVT-8			

** Includes terminal adaptor for converting to side mount.

* Includes terminal adaptor for converting to top mount.

Terminal shapes may 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 the different types

Cross Reference Chart

LITHIUM ION	MAINTENANCE FREE - FA	MAINTANANCE FREE - HP	MAINTENANCE FREE	HIGH CRANKING	CONVENTIONAL
				6YB11-2D	6N11-2D
				YB2-6	
				YB2.5L-C	
				YB3L-B	12N3-3B
LTX4L-BS LION			YTX4L-BS	YB4L-B	12N4-3B
LTX5L LION			YTX5L-BS		
LTX5L-BS LION			YTX5L-BS		
				YB5L-B	12N5-3B
LTX7S LION	YTZ7S		YTX7S-BS		
LTX7A-BS LION			YTX7A-BS		12N7B-4B
LT7B-BS LION	YT7B-4		YTX7B-BS		
				YB7L-B	12N7-3B
				YB7-A	12N7-4A
LTX7L-BS LION			YTX7L-BS		
LTX7S LION			YTX7S-BS		
LTX9-BS LION			YTX9-BS		
				YB9L-A2	12N9-3A-1
	YB9-B Sealed			YB9-B	12N9-4B-1
LT9B-BS LION	YT9B-4		YTX9B-BS		
				YB10L-B	12N10-3B
LTZ10S LION	YTZ10S		YTX10S-BS		
LTX12-BS LION			YTX12-BS		
				YB12A-A	12N12A-4A-1
LT12B-BS LION	YT12B-4		YTX12B-BS		
LTZ12S LION	YTZ12S		YTX12S-BS		
LT14B-BS LION	YT14B-4		YTX14B-BS		
LTZ14S LION	YTZ14S		YTX14S-BS		
LTX14L-BS LION				YB14L-A1	
LTX14L-BS LION			YTX14L-BS		
LTX14H-BS LION		YTX14H-BS	YTX14-BS		
LTX14AH-BS LION		YTX14AH-BS		YB14-A2	
LTX14AH-BS LION		YTX14AH-BS		YB14-B2	
LTX14AHL-BS LION		YTX14AHL-BS		YB14L-A2	12N14-3A
LTX14AHL-BS LION		YTX14AHL-BS		YB14L-B2	12N14-3B
LTX14AH-BS LION		YTX14AH-BS	YTX14-BS	YB14A-A1	
LTX14AH-BS LION		YTX14AH-BS	YTX14-BS	YB14A-A2	
LT14B-BS LION				YB16AL-A2	
LTX15L-BS LION			YTX15L-BS		
LTX16-BS LION			YTX16-BS		
LTX16-BS-1 LION			YTX16-BS-1		
LTX20-BS LION		YTX20H-BS	YTX20-BS	YB16-B	12N16-4B
LTX20HL-BS LION		YTX20HL-BS	YTX20L-BS	YB16L-B	12N16-3B
LTX20H-BS LION		YTX20H-BS	YTX20-BS	YB18-A	
LTX20HL-BS LION		YTX20HL-BS	YTX20L-BS	YB18L-A	
LTX18L-BS LION			YTX18L-BS	Y50-N18L-A(3)	12N18-3A
LTX20HL-BS LION				YB16CL-B	
LTX20CH-BS LION		YTX20CH-BS			
51913 LION				51913	
LTX24HL-BS LION			YTX24HL-BS	Y50-N18L-A	12N18-3A
LIX30L-BS LION	YIX30L		YIX30L-BS	YB30L-B / 53030	Y60-N24AL-B
LIX30L-BS LION				YB30CL-B	

SHIDO[®]
LITHIUM ION
BATTERIES



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