Power your life

Valve Regulated Lead Acid Battery

WP3-12

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(0.15A	to	10.50V)	3Ah
10 hour rate	(0.285A	to	10.50V)	2.85Ah
5 hour rate	(0.51A	to	10.20V)	2.55Ah
1 C	(3A	to	9.60V)	1.6Ah
3 C	(9A	to	9.60V)	1.05Ah

Weight

Approx. 1.3kg(2.86Lbs.)

Internal Resistance (at 1KHz)

Approx. 45 mΩ

Maximum Discharge Current for

5 seconds: 45A

Charging Methods at 25℃(77℉)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	0.9A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

1 month	97%
3 month	92%
6 month	85%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20℃): 3-5 YEARS STANDARD COMMERCIAL

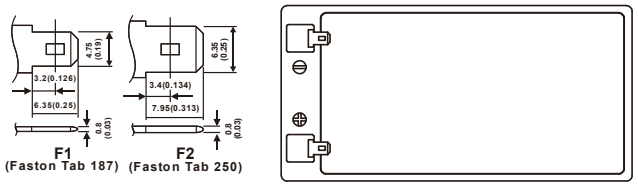
Terminal

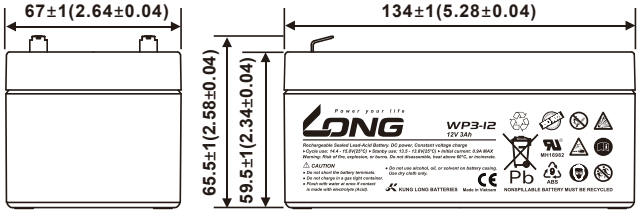
F1 or F2 (Faston Tab 187 or 250)

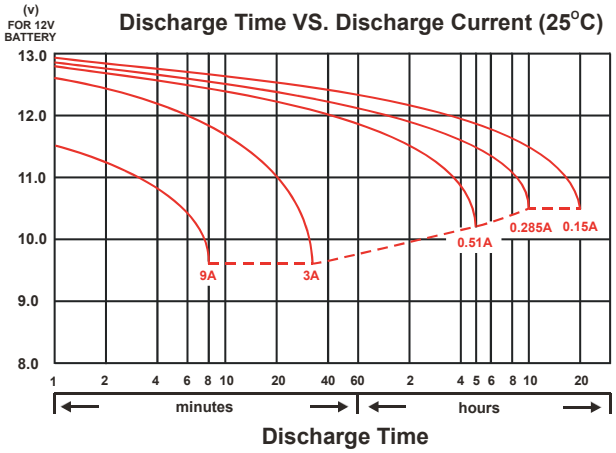
Dimensions

Length (L)	134±1 (5.28±0.04)
Width (W)	67±1 (2.64±0.04)
Height (H)	59.5±1 (2.34±0.04)
Overall Height (HT)	65.5±1 (2.58±0.04)

mm(inch)







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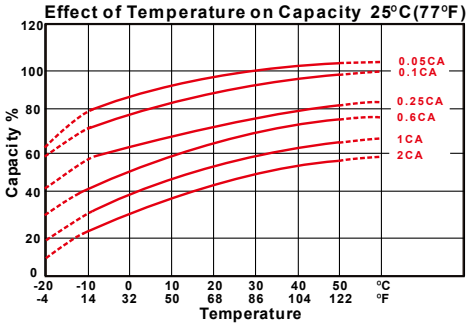

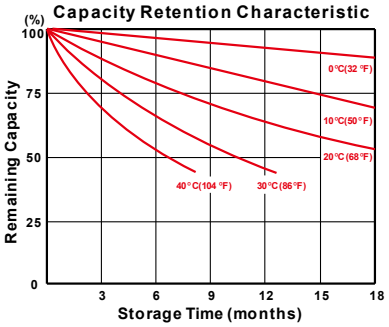

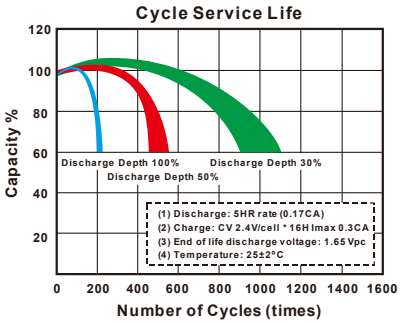

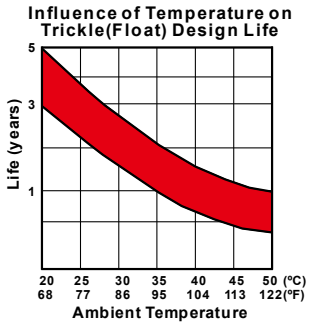

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	15.7	17.7	19.0	20.2	20.8	21.4	22.1
10	min	11.4	12.4	13.3	14.0	14.4	14.7	15.0
15	min	8.63	9.61	10.1	10.6	10.9	11.2	11.5
30	min	5.03	5.51	5.82	6.18	6.32	6.43	6.53
60	min	2.88	3.20	3.43	3.63	3.73	3.79	3.88
120	min	1.70	1.85	1.98	2.12	2.18	2.25	2.35
180	min	1.27	1.46	1.56	1.63	1.66	1.70	1.77
240	min	0.968	1.09	1.17	1.21	1.23	1.27	1.33
300	min	0.823	0.926	0.994	1.03	1.05	1.07	1.10
600	min	0.547	0.582	0.597	0.608	0.615	0.620	0.628
1200	min	0.299	0.309	0.317	0.320	0.322	0.324	0.330

- Discharge Rates in Amperes to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	7.95	9.24	10.3	11.1	11.5	12.0	12.6
10	min	5.87	6.52	7.07	7.46	7.62	7.79	8.08
15	min	4.49	5.03	5.37	5.71	5.86	6.02	6.23
30	min	2.56	2.87	3.03	3.10	3.12	3.14	3.17
60	min	1.54	1.72	1.81	1.88	1.92	1.94	1.99
120	min	0.945	0.993	1.04	1.08	1.10	1.12	1.15
180	min	0.679	0.718	0.752	0.786	0.807	0.826	0.861
240	min	0.556	0.581	0.604	0.625	0.634	0.646	0.663
300	min	0.472	0.493	0.511	0.526	0.533	0.542	0.554
600	min	0.273	0.289	0.301	0.306	0.308	0.311	0.313
1200	min	0.147	0.154	0.158	0.161	0.163	0.165	0.167

All data on the spec. sheet is an average value:
The tolerance range : X<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)

260626-1K

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