Power your life

Valve Regulated Lead Acid Battery

WP13-6

Specifications

Nominal Voltage(V)

6V

Nominal Capacity

20 hour rate	(0.65A	to	5.25V)	13Ah
10 hour rate	(1.235A	to	5.25V)	12.35Ah
5 hour rate	(2.21A	to	5.1V)	11.05Ah
1 C	(13A	to	4.8V)	7.367Ah
3 C	(39A	to	4.8V)	5.2Ah

Weight

Approx. 2.24kg(4.93Lbs.)

Internal Resistance (at 1KHz)

Approx. 9 mΩ

Maximum Discharge Current for

5 seconds: 195A

Charging Methods at 25℃(77℉)

Cycle use:

Charging Voltage	7.20 to 7.50V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	3.9A

Standby use:

Float Charging Voltage	6.75 to 6.90V
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

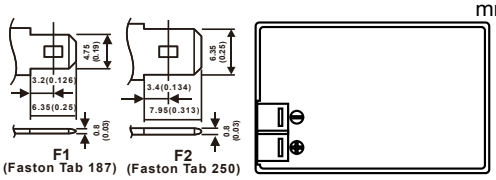
Terminal

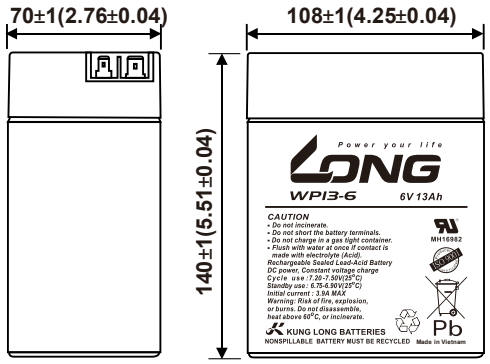
F1- F2+ (Faston Tab 187 and 250)

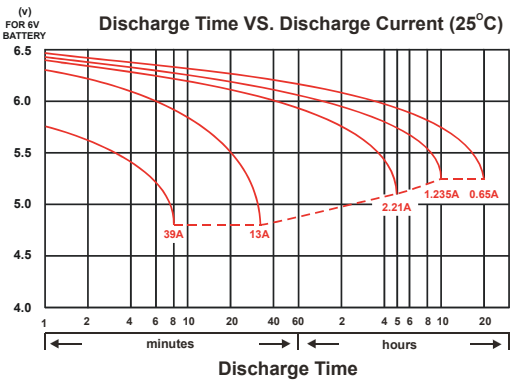
Dimensions

Length (L)	108±1 (4.25±0.04)
Width (W)	70±1 (2.76±0.04)
Height (H)	140±1 (5.51±0.04)
Overall Height (HT)	140±1 (5.51±0.04)

mm(inch)







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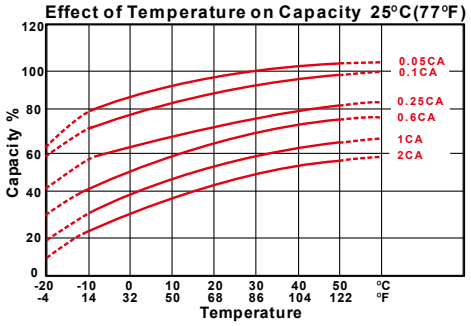

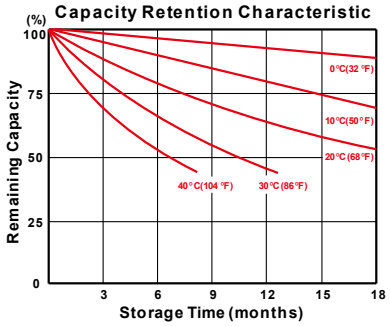

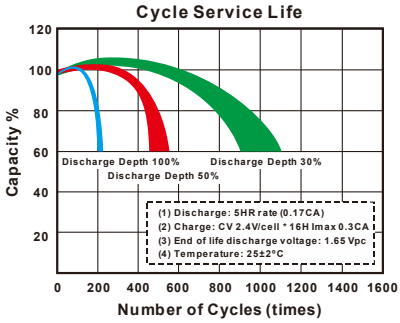

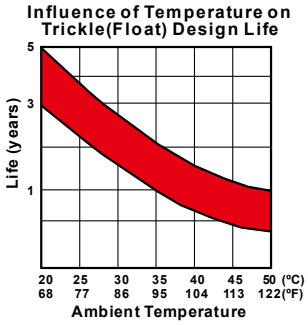

- PERFORMANCE DATA

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
10	min	51.8	56.6	59.3	61.9	62.8	64.3	65.9
15	min	41.7	44.3	46.0	47.6	48.1	49.0	50.3
30	min	22.6	24.5	26.1	27.4	27.7	28.0	28.4
60	min	16.9	17.5	18.0	18.4	18.5	18.7	18.9
120	min	8.73	9.20	9.47	9.73	9.80	9.93	10.1
180	min	5.97	6.34	6.55	6.73	6.77	6.86	6.93
240	min	5.03	5.22	5.38	5.51	5.55	5.62	5.68
300	min	4.27	4.41	4.54	4.64	4.68	4.73	4.84
600	min	2.43	2.54	2.59	2.64	2.66	2.69	2.72
1200	min	1.23	1.29	1.33	1.37	1.38	1.40	1.43

- 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
10	min	27.8	30.3	31.8	33.2	33.7	34.5	35.3
15	min	21.9	23.3	24.2	25.1	25.4	25.7	26.5
30	min	12.3	13.1	13.7	14.1	14.1	14.4	14.6
60	min	8.87	9.07	9.20	9.32	9.37	9.44	9.53
120	min	4.55	4.71	4.83	4.92	4.96	5.00	5.05
180	min	3.10	3.30	3.38	3.45	3.48	3.51	3.55
240	min	2.57	2.62	2.67	2.72	2.75	2.79	2.83
300	min	2.13	2.19	2.25	2.31	2.33	2.37	2.41
600	min	1.25	1.27	1.30	1.32	1.33	1.34	1.35
1200	min	0.639	0.647	0.667	0.677	0.685	0.693	0.708

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%)

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