Power your life

Valve Regulated Lead Acid Battery

WP10-6

Specifications

Nominal Voltage(V)

6V

Nominal Capacity

20 hour rate	(0.5A	to	5.25V)	10Ah
10 hour rate	(0.95A	to	5.25V)	9.5Ah
5 hour rate	(1.7A	to	5.1V)	8.5Ah
1 C	(10A	to	4.8V)	5.67Ah
3 C	(30A	to	4.8V)	4.0Ah

Weight

Approx. 1.7kg(3.74Lbs.)

Internal Resistance (at 1KHz)

Approx. 8 mΩ

Maximum Discharge Current for

5 seconds: 150A

Charging Methods at 25℃(77℉)

Cycle use:	
Charging Voltage	7.20 to 7.50V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	3A
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

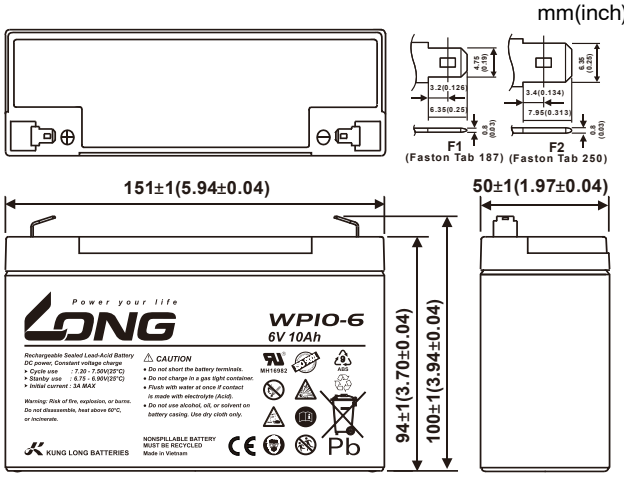
Terminal

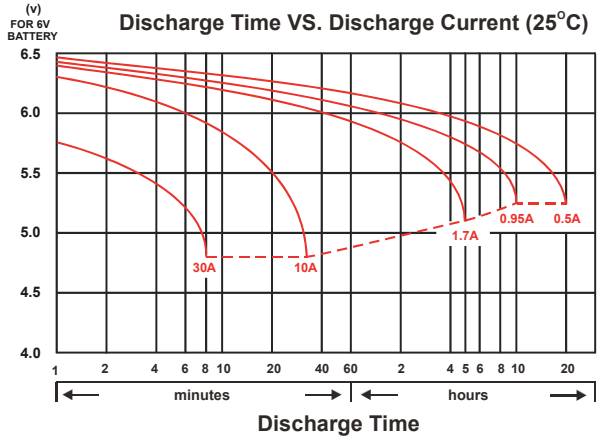
F1 or F2 (Faston Tab 187 or 250)

Dimensions

Length (L)	151±1 (5.94±0.04)
Width (W)	50±1 (1.97±0.04)
Height (H)	94±1 (3.70±0.04)
Overall Height (HT)	100±1 (3.94±0.04)

mm(inch)





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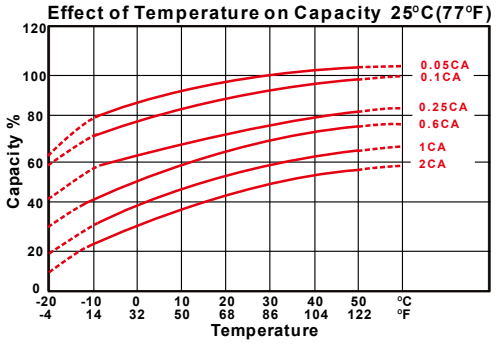

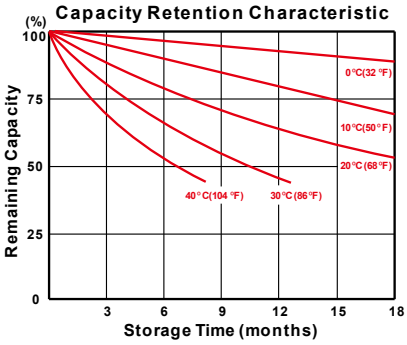

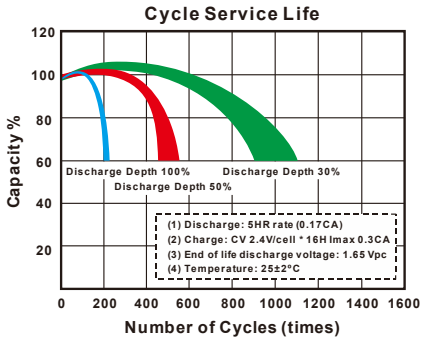

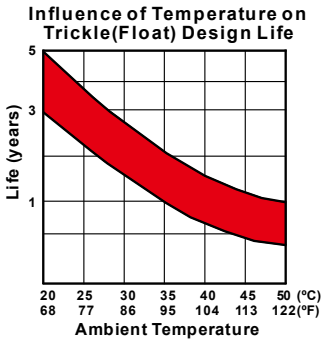

- PERFORMANCE DATA

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	55.2	61.1	66.9	69.2	71.4	73.3	74.9
10	min	43.5	46.4	49.2	51.1	52.5	53.5	54.1
15	min	34.6	37.0	39.1	40.3	41.1	42.0	42.8
30	min	19.8	20.9	21.9	22.4	22.8	23.1	23.3
60	min	11.4	11.8	12.2	12.4	12.6	12.8	13.0
120	min	7.04	7.36	7.64	7.87	8.06	8.17	8.25
180	min	5.66	5.78	5.86	5.92	5.96	5.98	5.99
240	min	4.34	4.39	4.43	4.48	4.52	4.54	4.56
300	min	3.71	3.79	3.85	3.93	3.99	4.04	4.06
600	min	1.98	2.13	2.24	2.29	2.32	2.35	2.37
1200	min	1.01	1.09	1.14	1.16	1.18	1.20	1.21

- 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	32.9	34.3	35.4	36.5	37.5	38.4	39.2
10	min	22.6	23.9	25.0	25.7	26.3	26.9	27.4
15	min	16.3	17.7	18.8	19.4	19.9	20.3	20.6
30	min	11.1	11.7	12.1	12.3	12.5	12.8	13.0
60	min	6.00	6.04	6.07	6.10	6.12	6.14	6.16
120	min	3.50	3.77	4.00	4.03	4.05	4.07	4.09
180	min	2.71	2.80	2.88	2.91	2.94	2.97	3.00
240	min	2.25	2.33	2.39	2.41	2.43	2.45	2.46
300	min	1.70	1.73	1.75	1.78	2.00	2.02	2.04
600	min	1.04	1.07	1.09	1.11	1.13	1.14	1.15
1200	min	0.598	0.607	0.615	0.621	0.627	0.632	0.635

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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