

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(0.25	to	10.50V)	5Ah
10 hour rate	(0.475A	to	10.50V)	4.75Ah
5 hour rate	(0.85A	to	10.20V)	4.25Ah
1 C	(5A	to	9.60V)	3.17Ah
3 C	(15A	to	9.60V)	2Ah

Weight

Approx. 1.93kg(4.25Lbs.)

Internal Resistance (at 1KHz)

Approx. 19 mΩ

Maximum Discharge Current for

5 seconds: 75A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 1.5A

Standby use:

Float Charging Voltage 13.5 to 13.8V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C(5°F) to 40°C(104°F)

Discharge -15°C(5°F) to 50°C(122°F)

Storage -15°C(5°F) to 40°C(104°F)

Charge Retention (shelf life) at 20°C(68°F)

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°C): 3-5 YEARS STANDARD COMMERCIAL

Terminal

F1 or F2 (Faston Tab 187 or 250)



⚡ Dimensions

Length (L)

90±1 (3.54±0.04)

Width (W)

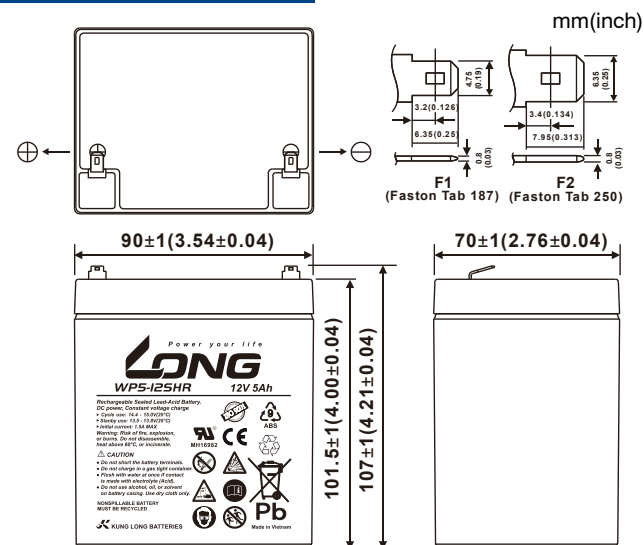
70±1 (2.76±0.04)

Height (H)

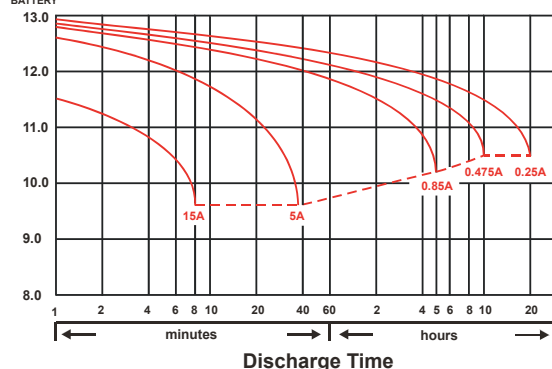
101.5±1 (4.00±0.04)

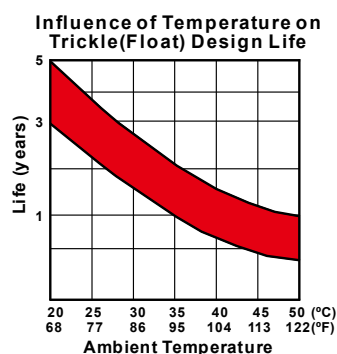
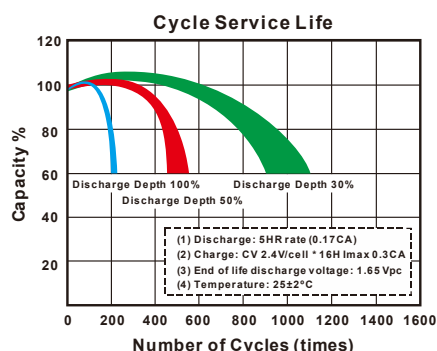
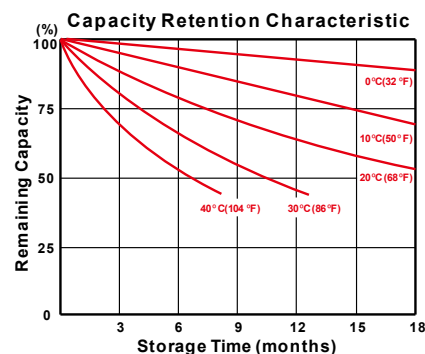
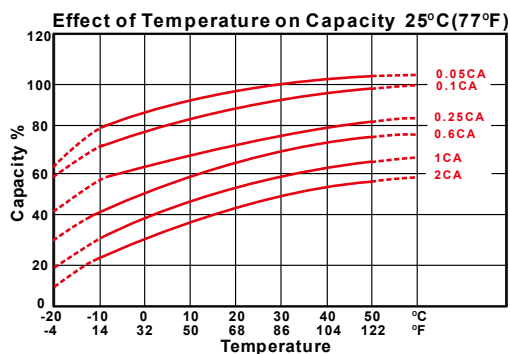
Overall Height (HT)

107±1 (4.21±0.04)



(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)





- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
10	min	26.2	28.3	29.8	31.2	31.5	32.2	33.0
15	min	22.2	23.7	24.3	24.7	24.8	25.0	25.1
30	min	12.0	12.7	13.1	13.3	13.4	13.5	13.6
60	min	5.97	6.45	6.70	6.93	7.05	7.15	7.28
120	min	3.15	3.63	3.85	3.98	4.03	4.10	4.20
180	min	2.43	2.65	2.85	3.03	3.10	3.15	3.25
240	min	1.97	2.18	2.30	2.37	2.40	2.43	2.48
300	min	1.77	1.88	1.98	2.03	2.05	2.07	2.10
600	min	1.02	1.10	1.16	1.19	1.19	1.20	1.22
1200	min	0.532	0.575	0.607	0.618	0.623	0.628	0.637

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
10	min	13.8	15.0	15.9	16.7	16.9	17.3	17.8
15	min	10.6	11.3	11.7	12.0	12.2	12.4	12.6
30	min	5.98	6.31	6.49	6.63	6.68	6.74	6.85
60	min	3.09	3.34	3.48	3.59	3.62	3.67	3.74
120	min	1.72	1.85	1.92	1.98	2.01	2.03	2.06
180	min	1.37	1.46	1.51	1.55	1.57	1.59	1.61
240	min	0.974	1.05	1.09	1.13	1.14	1.16	1.18
300	min	0.863	0.931	0.965	0.986	0.998	1.01	1.03
600	min	0.490	0.532	0.551	0.574	0.577	0.582	0.590
1200	min	0.257	0.291	0.297	0.302	0.304	0.307	0.311

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)

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