

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(0.45 to 10.50V)	9Ah
10 hour rate	(0.855A to 10.50V)	8.55Ah
5 hour rate	(1.53A to 10.20V)	7.65Ah
1 C	(9A to 9.60V)	5.7Ah
3 C	(27A to 9.60V)	3.6Ah

Weight

Approx. 2.7kg(5.94Lbs.)

Internal Resistance (at 1KHz)

Approx. 16 mΩ

Maximum Discharge Current for

5 seconds: 135A

Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	2.7A
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

F2 (Faston Tab 250)



Dimensions

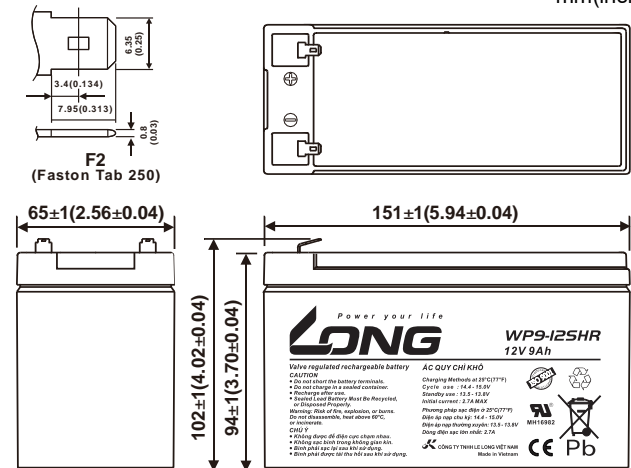
Length (L) 151 ± 1 (5.94 ± 0.04)

Width (W) 65 ± 1 (2.56 ± 0.04)

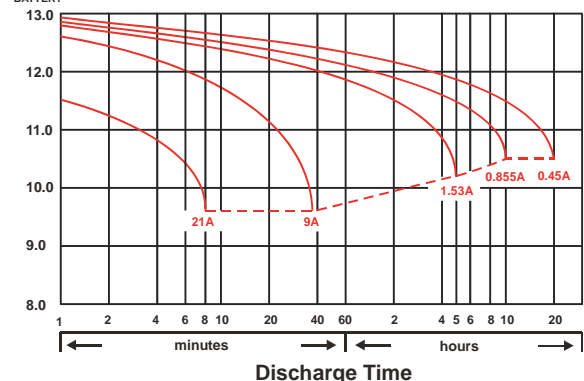
Height (H) 94 ± 1 (3.70 ± 0.04)

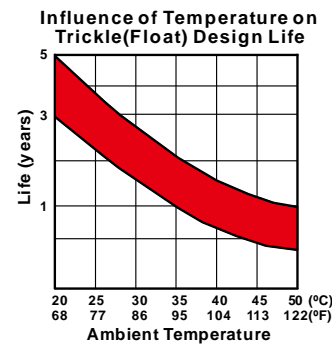
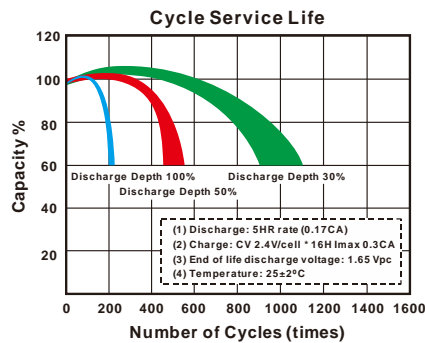
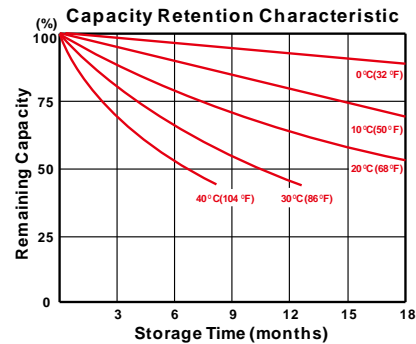
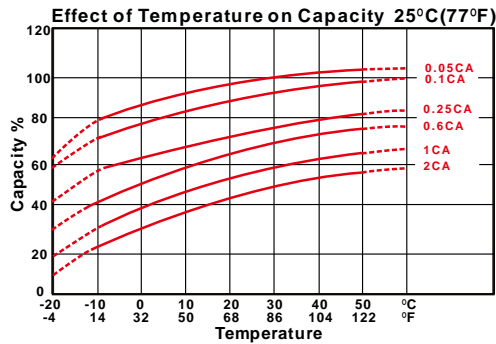
Overall Height (HT) 102 ± 1 (4.02 ± 0.04)

mm(inch)



(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	min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
10	min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
15	min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
30	min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
60	min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
120	min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
180	min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
240	min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
300	min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
600	min	0.853	0.882	0.902	0.907	0.910	0.913	0.918
1200	min							

- 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	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
10	min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
15	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
30	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
60	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
120	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
180	min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
240	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
300	min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
600	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466
1200	min							

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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