

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(1.3A	to	10.50V)	26Ah
10 hour rate	(2.47A	to	10.50V)	24.7Ah
5 hour rate	(4.42A	to	10.20V)	22.1Ah
1 C	(26A	to	9.60V)	14.73Ah
3 C	(78A	to	9.60V)	10.4Ah

Weight

Approx. 8.8kg(19.36Lbs.)

Internal Resistance (at 1KHz)

Approx. 9.6 mΩ

Maximum Discharge Current for

5 seconds: 390A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 7.8A

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 92%

3 month 90%

6 month 80%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

3-5 Years.

Terminal

F6



⚡ Dimensions

Length (L)

166±2-1 (6.54±0.08-0.04)

Width (W)

125.5±2-1 (4.94±0.08-0.04)

Height (H)

176±2-1 (6.93±0.08-0.04)

Overall Height (HT)

176±2-1 (6.93±0.08-0.04)

Description of torque value of hard ware for the terminals:

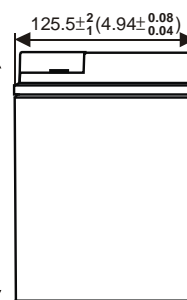
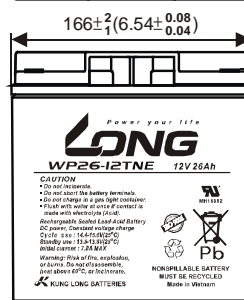
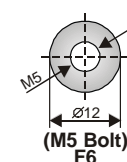
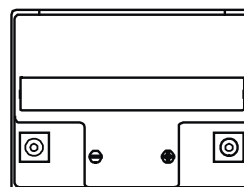
Recommended torque value

M5: 4 N-m (41kgf-cm)

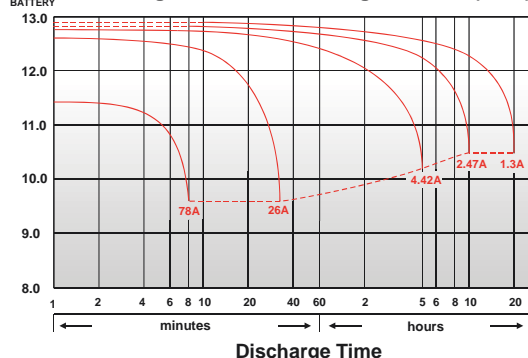
Maximum allowable torque value

M5: 6 N-m (61kgf-cm)

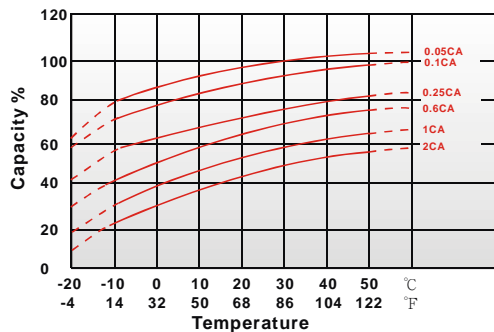
mm(inch)



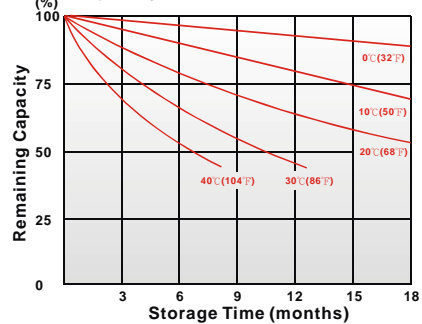
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



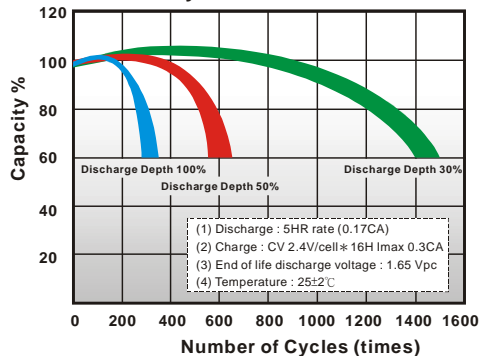
Effect of Temperature on Capacity 25°C(77°F)



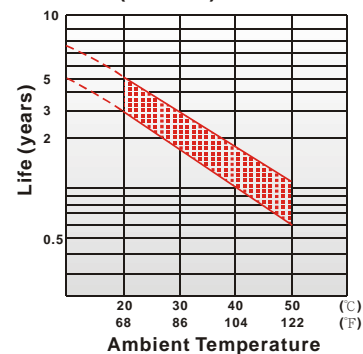
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



- 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								
5	min	143	158	170	180	189	199	209
10	min	112	118	123	129	134	138	143
15	min	90.5	96.0	100	104	105	107	108
30	min	56.3	59.3	61.2	62.7	63.3	64.2	65.2
60	min	38.5	39.8	40.5	41.0	41.3	41.7	42.0
120	min	22.0	22.5	22.8	23.2	23.3	23.5	23.7
180	min	15.5	15.9	16.1	16.3	16.4	16.5	16.6
240	min	12.3	12.6	12.9	13.0	13.1	13.1	13.2
300	min	10.2	10.5	10.7	10.8	10.9	10.9	11.0
600	min	5.32	5.47	5.58	5.68	5.72	5.75	5.78
1200	min	2.70	2.82	2.92	2.98	3.00	3.03	3.08

- 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								
5	min	87.9	101	111	117	119	121	124
10	min	60.1	67.1	70.8	73.9	75.7	77.8	80.2
15	min	44.1	49.8	52.2	55.1	55.8	56.5	57.8
30	min	32.9	34.1	34.8	35.4	35.6	35.8	36.1
60	min	19.9	20.4	20.8	21.1	21.2	21.4	21.6
120	min	10.7	11.1	11.3	11.5	11.6	11.7	11.8
180	min	7.69	7.84	7.95	8.06	8.11	8.16	8.23
240	min	6.05	6.17	6.26	6.35	6.39	6.44	6.50
300	min	5.07	5.16	5.24	5.31	5.34	5.38	5.42
600	min	2.58	2.64	2.70	2.76	2.78	2.81	2.84
1200	min	1.330	1.380	1.420	1.450	1.460	1.480	1.510

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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