

### ⚡ Specifications

#### Nominal Voltage(V)

2V

#### Nominal Capacity 25°C(77°F)

10 hour rate	(100A to 1.80V)	1000Ah
5 hour rate	(170A to 1.80V)	850Ah
3 hour rate	(250A to 1.80V)	750Ah
1 hour rate	(600A to 1.75V)	600Ah

#### Weight

≥ 66.0kg(145.2Lbs.)

#### Internal Resistance (at 1KHz) at 25°C(77°F)

≤ 0.55 mΩ

#### Maximum Discharge Current for

5 seconds: 6000A

#### Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.50V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 300A

Standby use:

Float Charging Voltage 2.20 to 2.30V

Coefficient -3.0mV/°C/cell

#### Operating Temperature Range

Charge -15°C(5°F) to 60°C(140°F)

Discharge -15°C(5°F) to 60°C(140°F)

Storage -15°C(5°F) to 60°C(140°F)

#### Charge Retention (shelf life) at 25°C(77°F)

1 month	98%
3 month	94%
6 month	88%

#### Case Materia

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

#### Design Life

15 years at 25°C

#### Terminal

F18

#### Battery Construction

Positive plate	Negative Plate	Electrolyte	Terminal	Safety valve	Separator	Efficient gas recombination
Lead dioxide	Lead	Gelled acid	Copper	Rubber	PVC	99%



### ⚡ Dimensions

Length (L) 474±3 (18.66±0.12)

Width (W) 174±3 (6.85±0.12)

Height (H) 328±3 (12.91±0.12)

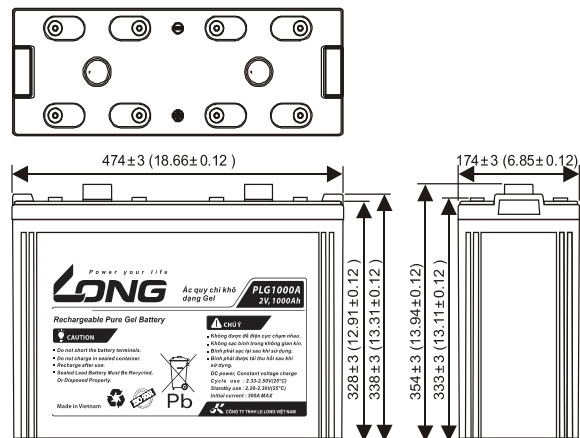
Overall Height (HT) 354±3 (13.94±0.12)

#### Description of torque value of hard ware for the terminals:

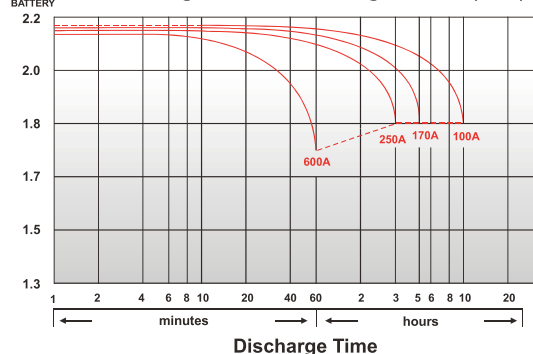
Recommended torque value M8:12 N-m(122kgf-cm)

Maximum allowable torque value M8:20 N-m(204kgf-cm)

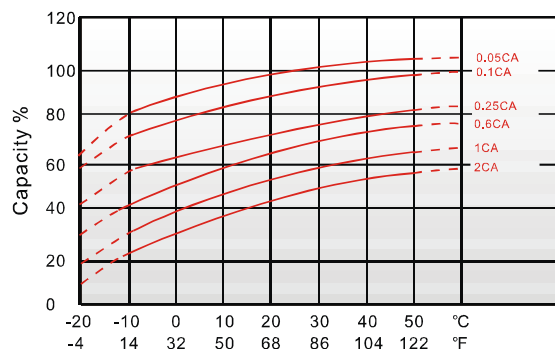
mm(inch)



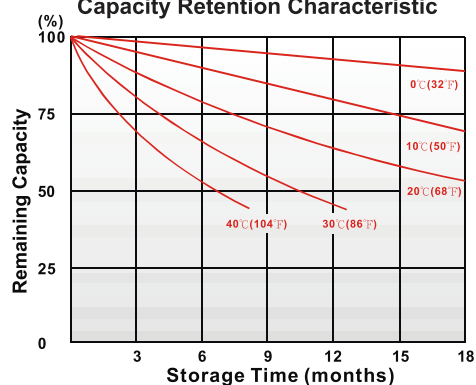
(V) FOR 2V BATTERY Discharge Time VS. Discharge Current (25°C)



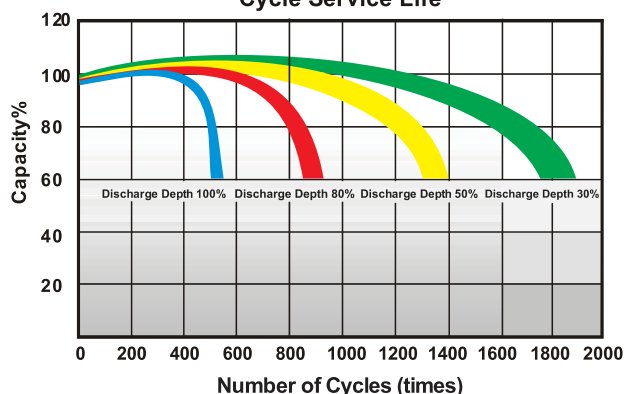
Effect of Temperature on Capacity 25°C(77°F)



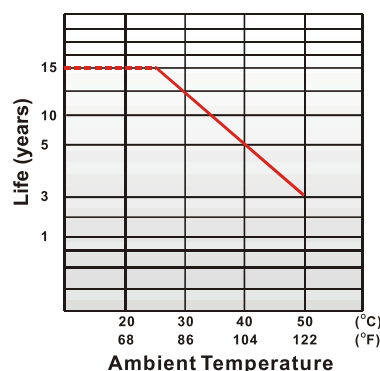
Capacity Retention Characteristic



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		1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
10	min	3010	3175	3335	3380	3422	3595
15	min	2460	2600	2772	2834	2895	2920
30	min	1505	1575	1645	1660	1675	1690
60	min	873	909	938	958	983	1028
90	min	822	846	865	876	885	896
120	min	679	694	703	713	724	744
180	min	477	495	512	523	531	551
300	min	390	401	407	412	418	424
600	min	190	203	205	208	210	213
1200	min	115	119	121	123	124	126

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

End Voltage		1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
10	min	1650	1795	1935	2005	2055	2105
15	min	1330	1455	1555	1605	1655	1685
30	min	820	880	930	960	990	1005
60	min	580	637	653	660	670	678
90	min	480	575	581	587	593	598
120	min	384	428	451	463	466	476
180	min	290	309	323	334	341	347
300	min	204	209	213	216	219	222
600	min	100	101	102	103	105	110
1200	min	58.0	60.0	61.8	62.9	64.0	64.6

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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