

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity

10 hour rate	(100A to 1.80V)	1000Ah
5 hour rate	(170A to 1.70V)	850Ah
1 hour rate	(600A to 1.60V)	600Ah
1 C	(1000A to 1.60V)	500Ah

Weight

Approx. 66.0kg(145.2Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.45 mΩ

Maximum Discharge Current for

5 seconds: 6000A

Charging Methods at 25°C (77°F)

Cycle use:	
Charging Voltage	2.33 to 2.36V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	300A
Standby use:	
Float Charging Voltage	2.21 to 2.25V
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	98%
3 month	94%
6 month	85%

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life

12 Years.

Terminal

F18

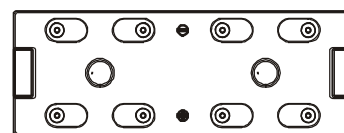


⚡ Dimensions

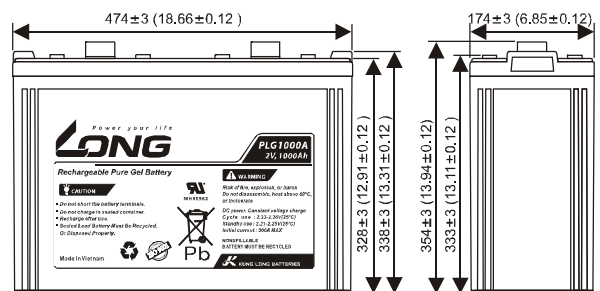
Length (L)	474±3 (18.66±0.12)
Width (W)	174±3 (6.85±0.12)
Height (H)	328±3 (12.91±0.12)
Overall Height (HT)	354±3 (13.94±0.12)

Description of torque value of hard ware for the terminals:

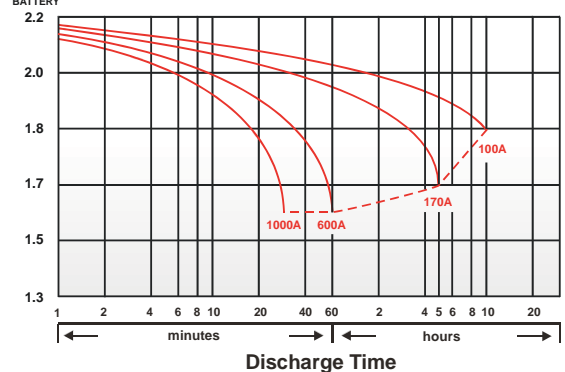
Recommended torque value	M8:12 N-m (122kgf-cm)
Maximum allowable torque value	M8:20 N-m (204kgf-cm)



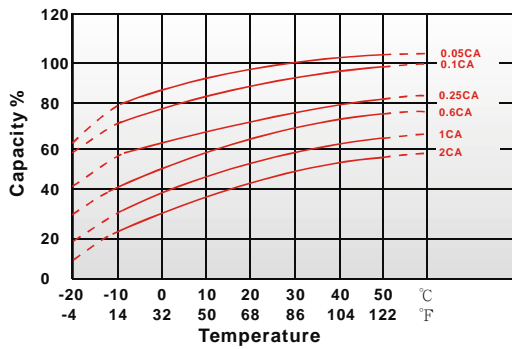
mm(inch)



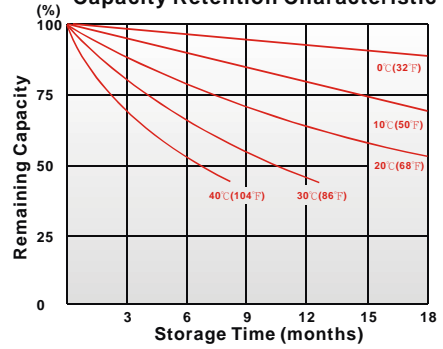
(v) FOR 2V BATTERY Discharge Time VS. Discharge Current (25°C)



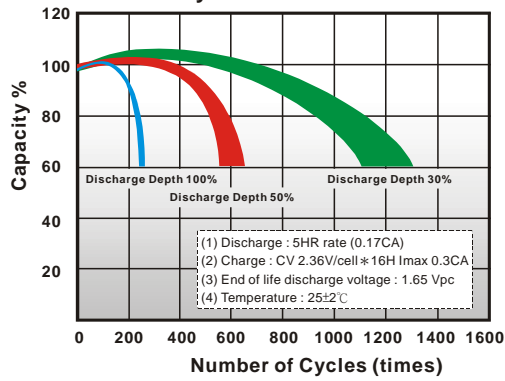
Effect of Temperature on Capacity 25°C(77°F)



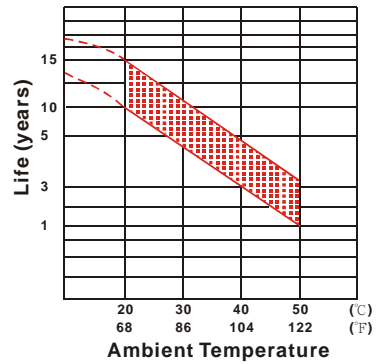
Capacity Retention Characteristic



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
Time	min	873	909	938	958	983	1028
60	min	822	846	865	876	885	896
90	min	679	694	703	713	724	744
120	min	477	495	512	523	531	551
180	min	390	401	407	412	418	424
300	min	190	203	205	208	210	213
600	min	115	119	121	123	124	126
1200	min						

- 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
Time	min	580	637	653	660	670	678
60	min	480	575	581	587	593	598
90	min	384	428	451	463	466	476
120	min	290	309	323	334	341	347
180	min	204	209	213	216	219	222
300	min	100	101	102	103	105	110
600	min	58.0	60.0	61.8	62.9	64.0	64.6
1200	min						

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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