

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(3.25A to 10.50V)	65Ah
10 hour rate	(6.175A to 10.50V)	61.75Ah
5 hour rate	(11.05A to 10.20V)	55.25Ah
1 hour rate	(35.75A to 9.60V)	35.75Ah
1 C	(65A to 9.60V)	34.67Ah

Weight

Approx. 20.6kg(45.32Lbs.)

Internal Resistance (at 1KHz)

Approx. 4.5 mΩ

Maximum Discharge Current for

5 seconds: 780A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 13.8 to 14.4V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 19.5A

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 98%

3 month 94%

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

F8



⚡ Dimensions

Length (L)

259±2(10.20±0.08)

Width (W)

168±2 (6.61±0.08)

Height (H)

175±2 (6.89±0.08)

Overall Height (HT)

178±2 (7.01±0.08)

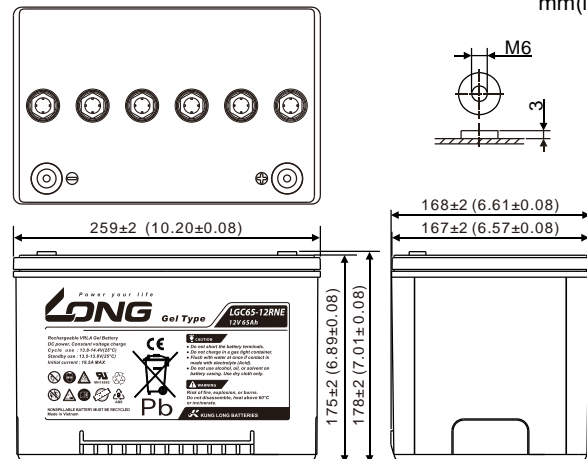
Description of torque value of hardware for the terminals:

Recommended torque value

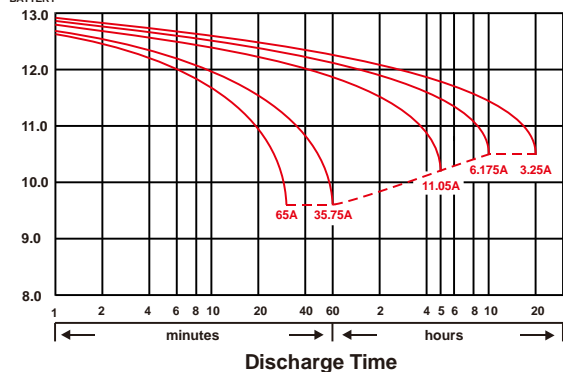
M6: 7 N-m (71 kgf-cm)

Maximum allowable torque value

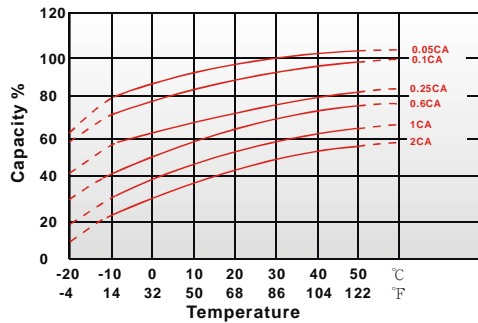
M6: 10N-m (102 kgf-cm)
mm(inch)



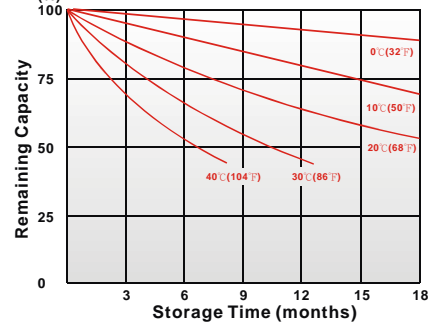
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



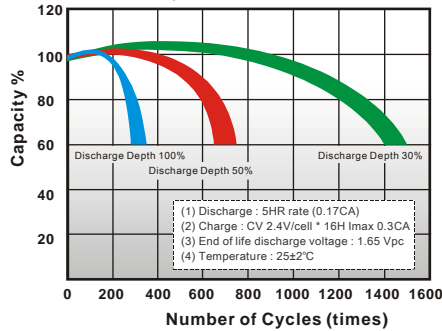
Effect of Temperature on Capacity 25°C (77°F)



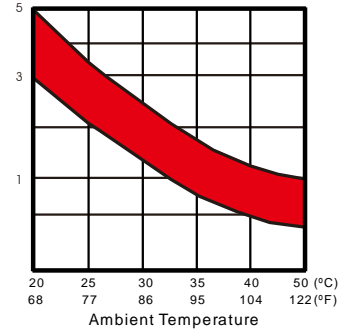
Capacity Retention Characteristic



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	290	350	405	435	440	445	450
10	min	220	245	270	295	320	322	323
15	min	188	211	230	240	244	245	246
30	min	110	120	130	134	136	138	140
60	min	73.2	75.4	77.5	78.3	78.6	78.8	79.0
120	min	40.5	42.3	44.0	44.7	45.1	45.5	45.8
180	min	30.2	31.1	31.9	32.3	32.6	32.8	33.0
240	min	24.5	25.0	25.4	25.7	25.9	26.1	26.2
300	min	20.2	20.7	21.2	21.6	21.7	21.8	21.9
480	min	14.0	14.4	14.8	15.1	15.3	15.4	15.5
600	min	11.9	12.3	12.5	12.6	12.6	12.6	12.6
1200	min	6.21	6.42	6.52	6.53	6.55	6.56	6.59

- 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	150	180	210	230	245	255	260
10	min	115	130	145	155	165	170	175
15	min	97.5	112	125	130	133	136	140
30	min	55.4	63.2	70.5	72.8	73.6	74.4	75.0
60	min	36.5	38.6	40.5	42.0	42.8	43.3	43.5
120	min	20.5	21.8	23.0	23.2	23.3	23.4	23.5
180	min	15.5	16.1	16.6	16.9	17.0	17.1	17.2
240	min	12.5	12.8	13.1	13.3	13.4	13.5	13.5
300	min	10.4	10.8	11.2	11.4	11.5	11.6	11.6
480	min	7.27	7.35	7.42	7.45	7.46	7.46	7.47
600	min	6.10	6.14	6.18	6.22	6.24	6.26	6.28
1200	min	3.14	3.23	3.32	3.32	3.32	3.33	3.33

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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