

⚡ 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	(39A to 9.60V)	39Ah
1 C	(65A to 9.60V)	34.67Ah

Weight

Approx. 20.6kg(45.32Lbs.)

Internal Resistance (at 1KHz)

Approx. 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)

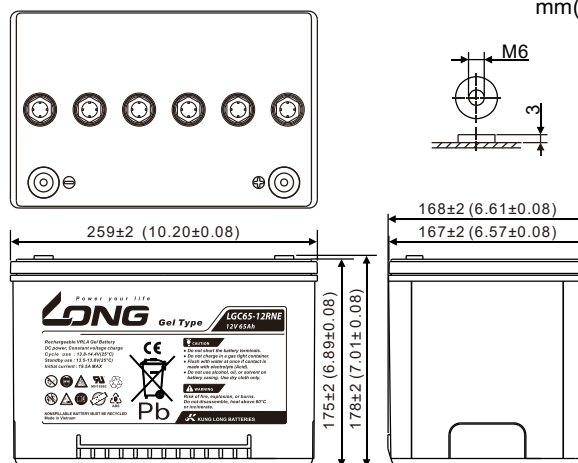
Height (H) 175±2 (6.89±0.08)

Overall Height (HT) 178±2 (7.01±0.08)

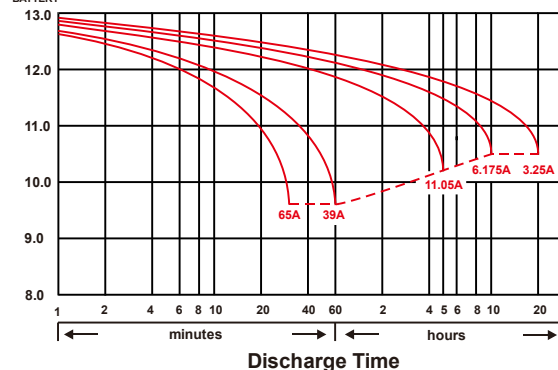
Description of torque value of hardware for the terminals:

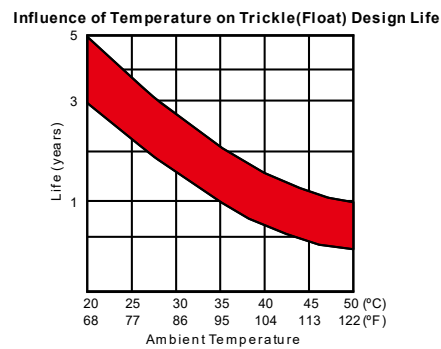
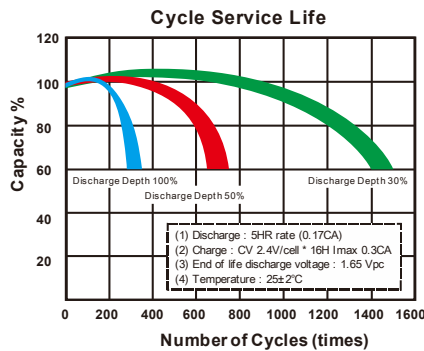
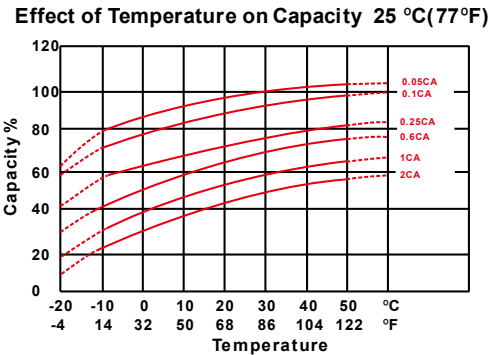
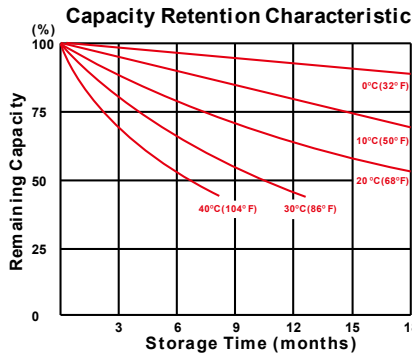
Recommended torque value M6: 7 N-m (71 kgf-cm)

Maximum allowable torque value M6: 10N-m (102 kgf-cm)
mm(inch)



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





- 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
5	min	305	350	390	405	415	423	430
10	min	240	255	270	280	285	288	290
15	min	195	205	215	220	222	224	225
30	min	110	119	128	135	136	136	137
60	min	68.5	71.0	73.5	74.3	74.6	74.9	75.1
120	min	38.5	40.5	42.0	42.8	43.1	43.3	43.5
180	min	29.4	30.2	30.9	31.3	31.5	31.7	31.9
240	min	24.0	24.5	25.0	25.3	25.5	25.7	25.8
300	min	20.0	20.5	21.0	21.2	21.3	21.4	21.5
480	min	13.8	14.2	14.5	14.7	14.9	15.0	15.1
600	min	11.5	11.8	12.0	12.2	12.3	12.4	12.4
1200	min	5.79	5.93	6.05	6.15	6.18	6.21	6.23

- 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
5	min	155	185	210	230	240	246	250
10	min	125	137	147	155	160	163	165
15	min	100	110	117	119	120	121	122
30	min	57.5	63.0	68.5	70.7	71.5	72.0	72.5
60	min	37.0	38.3	39.5	40.5	41.0	41.3	41.5
120	min	20.5	21.3	22.0	22.4	22.6	22.7	22.8
180	min	15.5	15.9	16.2	16.5	16.6	16.7	16.8
240	min	12.0	12.5	13.0	13.2	13.3	13.4	13.5
300	min	10.0	10.6	11.1	11.2	11.3	11.4	11.5
480	min	7.20	7.25	7.30	7.33	7.35	7.36	7.37
600	min	6.10	6.14	6.18	6.20	6.21	6.22	6.22
1200	min	3.15	3.20	3.25	3.26	3.27	3.27	3.27

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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