Power your life

GEL BATTERIES

LGC65-12RNE

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. 21.0kg(46. 2Lbs.)

Internal Resistance (at 1KHz)

Approx. 4 mΩ

Maximum Discharge Current for

5 seconds: 780A

Charging Methods at 25℃(77℉)

Cycle use:	
Charging Voltage	13.8 to 14.4V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	19.5A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

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℃): 3-5 YEARS STANDARD COMMERCIAL

Terminal

F8

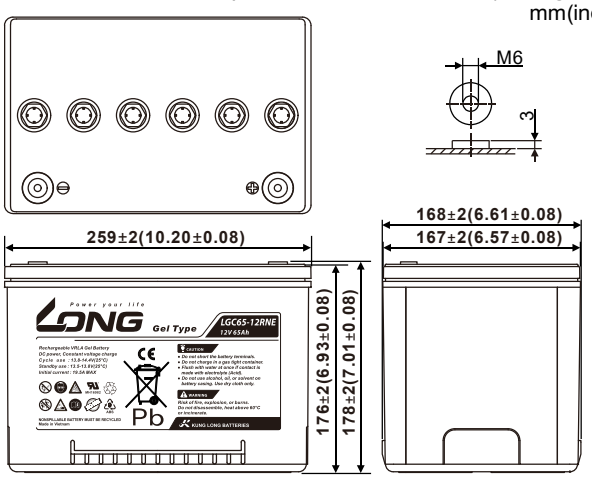
Dimensions

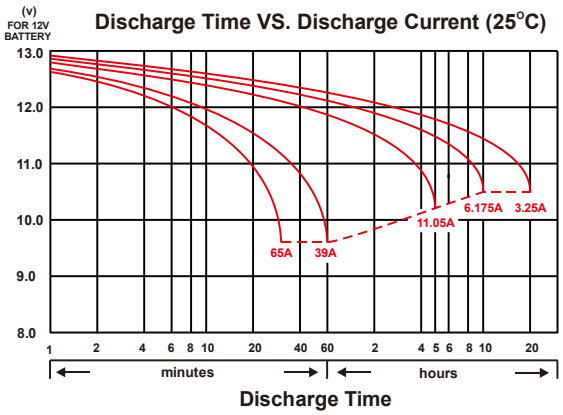
Length (L)	259±2(10.20±0.08)
Width (W)	168±2 (6.61±0.08)
Height (H)	176±2 (6.93±0.08)
Overall Height (HT)	178±2 (7.01±0.08)

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)





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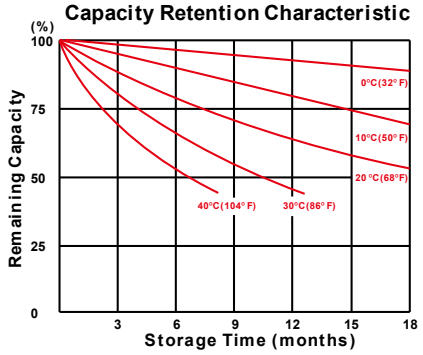

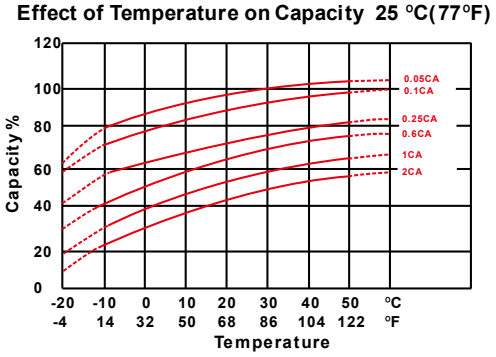

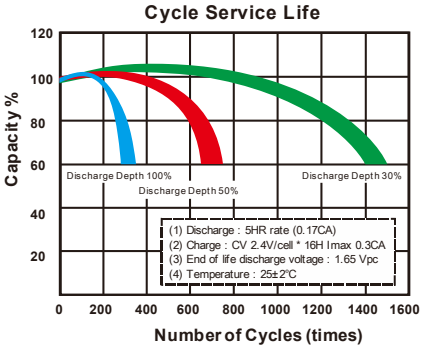

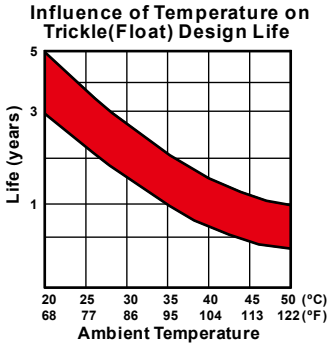

- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
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℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
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<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)

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廣隆光電科技股份有限公司
KUNG LONG BATTERIES INDUSTRIAL CO., LTD.

Head Quarter Service TEL: +886-49-2254-777 FAX: +886-49-2255-139 E-mail: sales@mail.klb.com.tw
USA Customer Service TEL: +1-949-328-7936 FAX: +1-949-266-9917 E-mail: sales@kunglong.com
Vietnam Customer Service TEL: +84-272-3779666 FAX: +84-272-3779476 E-mail: sales@mail.klb.com.tw

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