

LGL150-12N 12Volt 150Ah

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(7.5A	to	10.50V)	150Ah
5 hour rate	(25.5A	to	10.20V)	127.5Ah
1 hour rate	(82.5A	to	9.60V)	82.5Ah
1 C	(150A	to	9.60V)	80Ah

Weight Approx. 45.8kg(101Lbs.)

Internal Resistance (at 1KHz) Approx. 4.7 mΩ

Maximum Discharge Current for

5 seconds: 1500A

Charging Methods at 25 (77)

Cycle use:

Charging Voltage 13.8 to 14.4V

Coefficient -5.0mV/ /cell

Maximum Charging Current : 45A

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)

Terminal F18

Description of torque value of hard ware for the terminals:

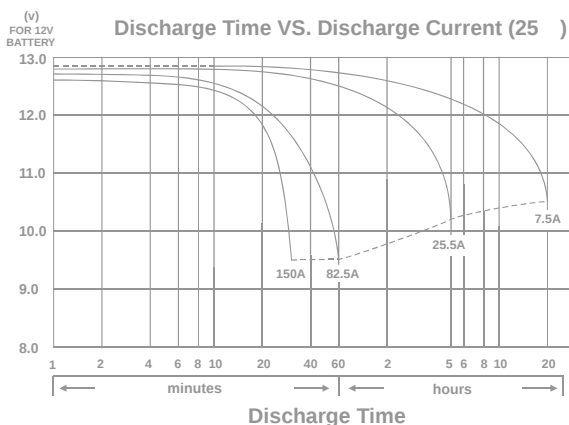
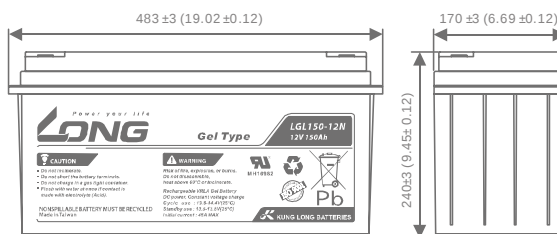
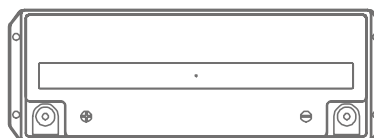
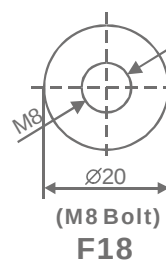
Recommended torque value M8: 7 N-m (71kgf-cm)

Maximum allowable torque value M8: 9 N-m (92kgf-cm)

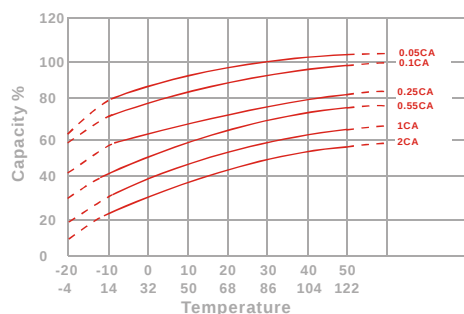


Dimensions

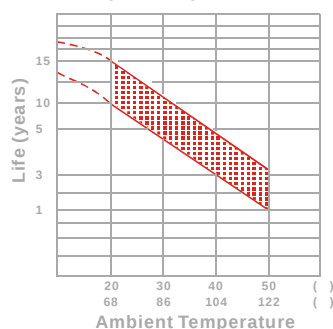
mm(inch)



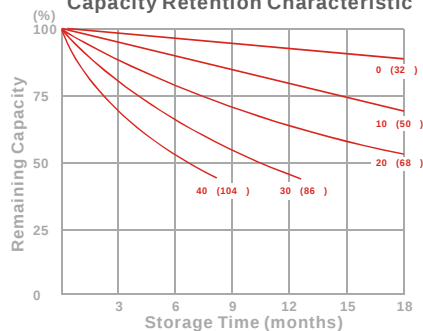
Effect of Temperature on Capacity 25 (77)



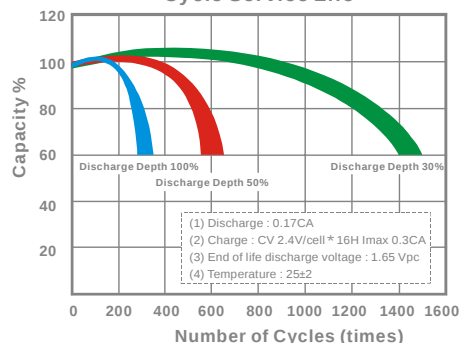
Trickle (or float) Service Life



Capacity Retention Characteristic



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	497	587	680	727	777	803	810
10	min	407	464	520	547	576	591	601
15	min	349	389	427	445	464	474	485
20	min	313	344	372	385	399	407	418
30	min	249	268	284	292	300	304	314
60	min	156	162	165	167	169	170	178
90	min	128	135	137	138	139	139	141
120	min	103	108	110	111	112	112	113
180	min	72.8	76.1	77.3	78.1	78.4	78.7	79.5
240	min	56.9	59.5	60.3	60.9	61.3	61.4	61.9
300	min	45.9	47.8	48.6	49.1	49.2	49.4	49.9
480	min	31.2	32.5	32.9	33.3	33.4	33.6	33.7
600	min	29.0	30.0	30.4	30.7	30.9	30.9	31.2
1200	min	14.5	14.9	15.1	15.3	15.4	15.4	15.4

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	278	329	381	407	436	450	455
10	min	222	253	283	299	314	322	328
15	min	190	212	233	243	253	259	265
20	min	163	179	194	201	209	212	218
30	min	129	139	147	151	155	157	163
60	min	78.5	81.5	83.3	84.3	85.3	85.9	89.5
90	min	64.2	67.8	68.8	69.5	69.7	69.9	70.9
120	min	51.7	54.4	55.2	55.8	56.0	56.2	56.8
180	min	36.4	38.1	38.7	39.1	39.2	39.4	39.8
240	min	28.3	29.6	30.1	30.4	30.5	30.6	30.8
300	min	22.9	23.8	24.2	24.4	24.6	24.6	24.8
480	min	15.5	16.2	16.3	16.5	16.6	16.6	16.7
600	min	14.4	14.9	15.0	15.2	15.2	15.3	15.4
1200	min	7.19	7.38	7.50	7.58	7.63	7.64	7.66

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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