

LG32-12 12Volt 32Ah

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(1.6A	to	10.50V)	32Ah
5 hour rate	(5.44A	to	10.20V)	27.2Ah
1 hour rate	(17.6A	to	9.60V)	17.6Ah
1 C	(32A	to	9.60V)	17.07Ah

Weight Approx.11.1kg(24.42Lbs.)

Internal Resistance (at 1KHz) Approx. 9 mΩ

Maximum Discharge Current for

5 seconds: 480A

Charging Methods at 25 (77)

Cycle use:

Charging Voltage 13.8 to 14.4V

Coefficient -5.0mv/ /cell

Maximum Charging Current : 9.6A

Standby use:

Float Charging Voltage 13.50 to 13.80V

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 92%

3 month 90%

6 month 80%

Case Material ABS

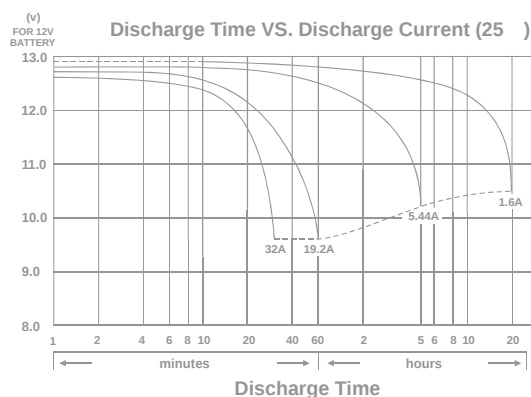
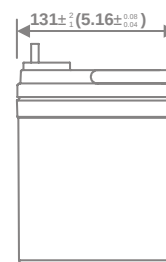
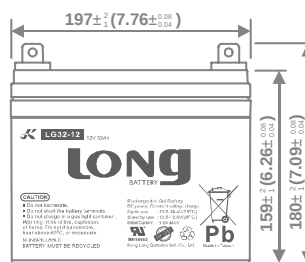
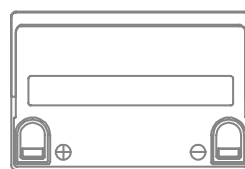
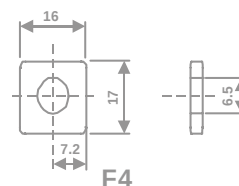
(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal F4

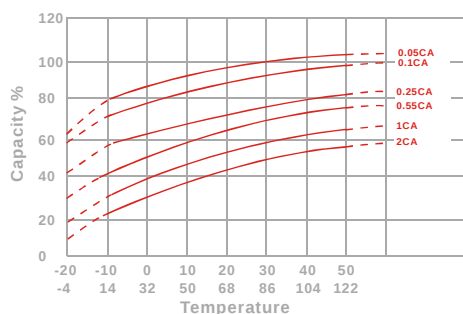


Dimensions

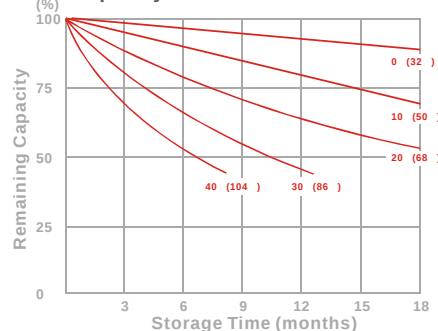
mm(inch)



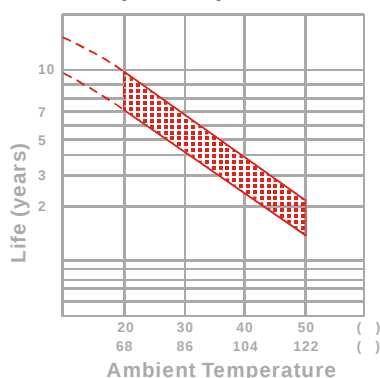
Effect of Temperature on Capacity 25 (77 °)



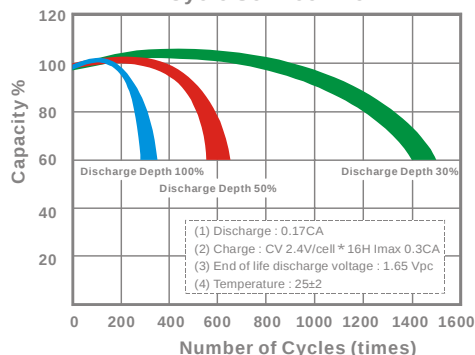
Capacity Retention Characteristic



Trickle (or float) Service Life



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	655	888	1062	1173	1211	1249	1302
10	min	491	642	757	828	853	879	912
15	min	391	508	594	648	664	685	711
30	min	212	276	324	353	363	374	388
60	min	194	208	217	221	223	226	228
120	min	126	132	136	139	140	142	143
180	min	84.1	89.7	93.7	96.0	97.0	97.9	98.9
240	min	70.2	74.6	77.6	79.3	80.2	81.0	81.7
300	min	61.3	65.2	67.6	69.2	69.7	70.5	71.2
600	min	36.8	39.2	40.8	41.6	42.9	42.3	42.7
1200	min	19.5	20.6	21.5	21.9	22.1	22.2	22.4

- 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	73.6	88.3	97.5	115	119	124	129
10	min	55.8	65.1	70.8	74.9	76.6	79.0	81.9
15	min	39.3	47.6	53.8	58.9	60.1	61.0	62.3
30	min	25.0	28.7	30.2	31.4	31.8	32.3	32.9
60	min	15.1	16.3	17.1	17.8	18.0	18.3	18.6
120	min	9.81	10.5	11.0	11.4	11.5	11.7	11.9
180	min	6.97	7.54	7.98	8.13	8.19	8.28	8.41
240	min	5.51	5.96	6.31	6.49	6.54	6.61	6.70
300	min	5.15	5.42	5.59	5.71	5.76	5.83	5.90
600	min	2.96	3.15	3.27	3.35	3.38	3.41	3.45
1200	min	1.58	1.66	1.71	1.75	1.76	1.78	1.80

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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