

## LG17-12 12Volt 17Ah

### Specifications

Nominal Voltage(V) **12V**

#### Nominal Capacity

20 hour rate	(0.85A to 10.50V)	17Ah
5 hour rate	(2.89A to 10.20V)	14.45Ah
1 hour rate	(9.35A to 9.60V)	9.35Ah
1 C	(17A to 9.60V)	9.07Ah

Weight **Approx. 6.28kg(13.82Lbs.)**

Internal Resistance (at 1KHz) **Approx. 10 mΩ**

Maximum Discharge Current for 5 seconds: **255A**

#### Charging Methods at 25 (77 )

<b>Cycle use:</b>	
Charging Voltage	<b>13.8 to 14.4V</b>
Coefficient -5.0mV/ /cell	
Maximum Charging Current :	<b>5.1A</b>
<b>Standby use:</b>	
Float Charging Voltage	<b>13.5 to 13.8V</b>
Coefficient -3.0mV/ /cell	

#### Operating Temperature Range

Charge	<b>-15 (5 ) to 40 (104 )</b>
Discharge	<b>-15 (5 ) to 50 (122 )</b>
Storage	<b>-15 (5 ) to 40 (104 )</b>

#### Charge Retention (shelf life) at 20 (68 )

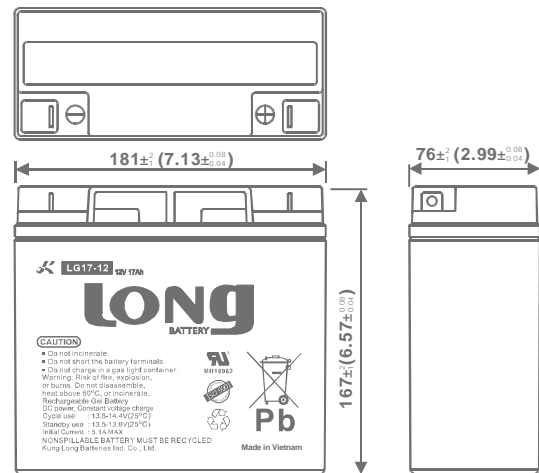
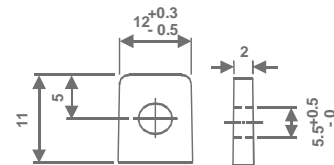
1 month	<b>92%</b>
3 month	<b>90%</b>
6 month	<b>80%</b>

Case Material **ABS UL94 HB**  
Option: Flammability resistance of (UL94 V-0)

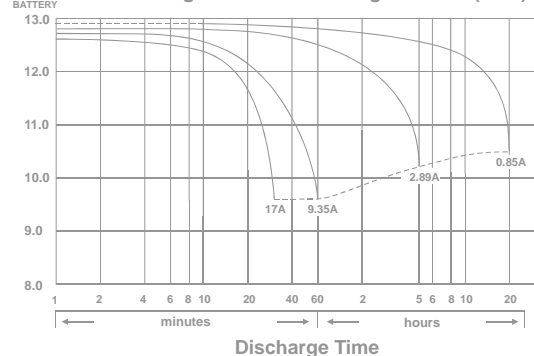
Terminal **F3**



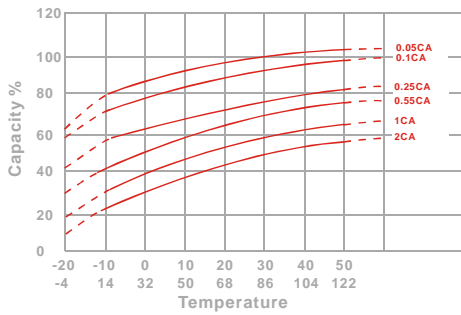
### Dimensions mm(inch)



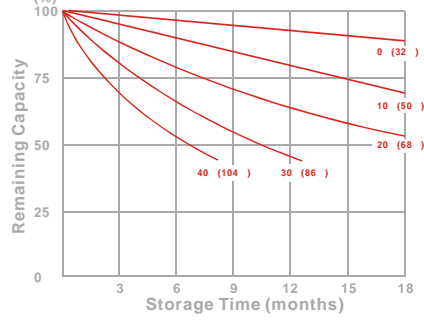
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25 )



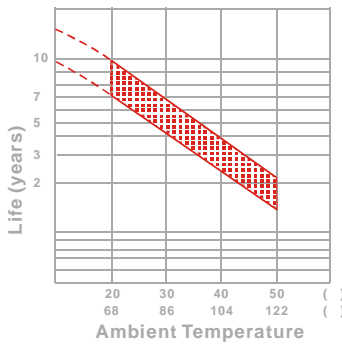
**Effect of Temperature on Capacity 25 (77 )**



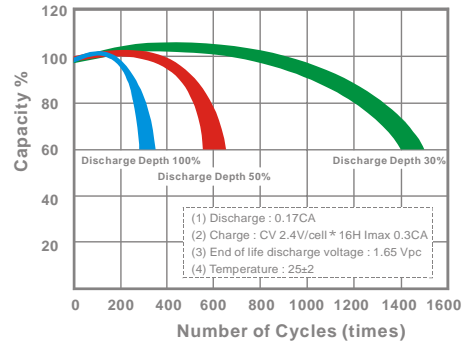
**Capacity Retention Characteristic**



**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	90.5	106.3	116.8	123.1	124.8	126.8	128.5
10	min	63.6	72.7	79.4	83.5	84.5	85.8	86.9
15	min	54.7	61.0	65.2	67.8	68.5	69.3	70.0
30	min	29.9	32.0	34.4	35.9	36.3	36.7	37.1
60	min	19.1	20.1	20.8	21.5	21.6	21.9	22.2
120	min	11.1	11.7	11.9	12.3	12.4	12.5	12.7
180	min	8.38	8.72	8.94	9.14	9.20	9.28	9.37
240	min	6.66	6.95	7.13	7.28	7.32	7.39	7.47
300	min	5.83	6.06	6.17	6.27	6.30	6.35	6.41
600	min	3.48	3.59	3.68	3.74	3.76	3.80	3.82
1200	min	1.80	1.86	1.91	1.94	1.96	1.98	1.99

**- 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	60.3	65.4	68.7	71.6	72.7	74.0	76.1
10	min	36.5	39.4	41.7	43.7	44.5	45.4	46.9
15	min	28.7	31.0	32.5	33.8	34.3	34.9	35.7
30	min	15.8	17.2	18.2	19.0	19.3	19.6	20.1
60	min	9.59	10.2	10.6	11.0	11.1	11.3	11.5
120	min	5.71	5.92	6.05	6.17	6.20	6.25	6.32
180	min	4.17	4.33	4.43	4.50	4.53	4.57	4.63
240	min	3.40	3.49	3.56	3.61	3.63	3.66	3.69
300	min	2.96	3.03	3.08	3.12	3.13	3.15	3.17
600	min	1.72	1.77	1.81	1.84	1.85	1.86	1.87
1200	min	0.920	0.939	0.954	0.964	0.967	0.971	0.975

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%)