

WPL1235W 12Volt 35W

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

15 min rate	(210W to 9.60V)	52.5Wh
5 hour rate	(1.445A to 10.20V)	7.225Ah
1 C	(8.5A to 9.60V)	5.38Ah
3 C	(25.5A to 9.60V)	3.4Ah

Weight **Approx. 2.7kg(5.94Lbs.)**

Internal Resistance (at 1KHz) **Approx. 14 mΩ**

Maximum Discharge Current for

5 seconds: **127.5A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mV/ /cell

Maximum Charging Current : **2.55A**

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 **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

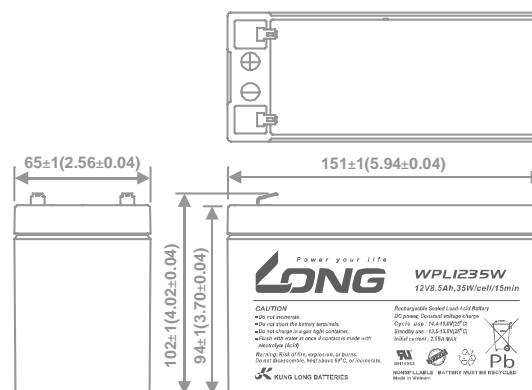
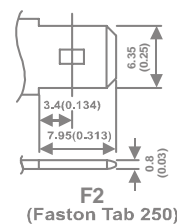
(UL94 HB flame retardant)

Terminal **F2 (Faston Tab 250)**

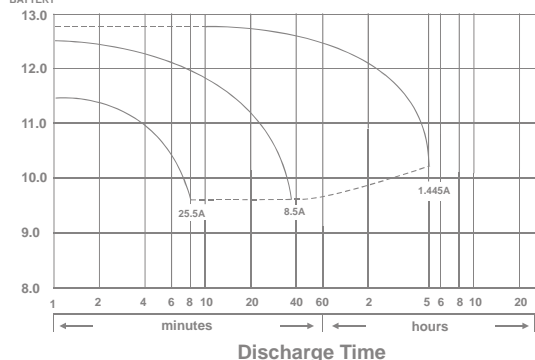


Dimensions

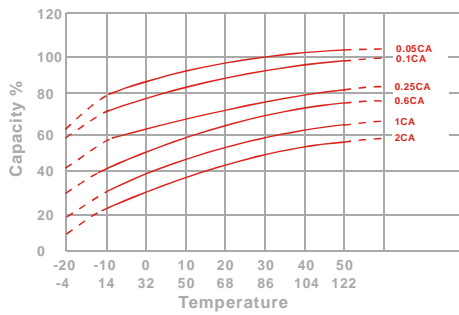
mm(inch)



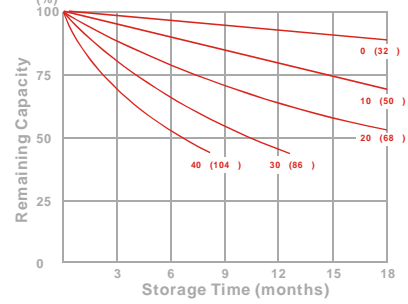
Discharge Time VS. Discharge Current (25)



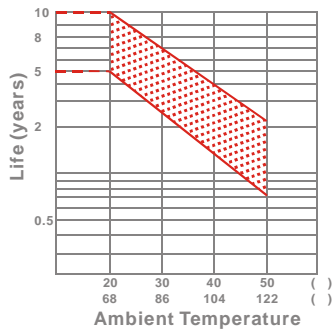
Effect of Temperature on Capacity 25 (77)



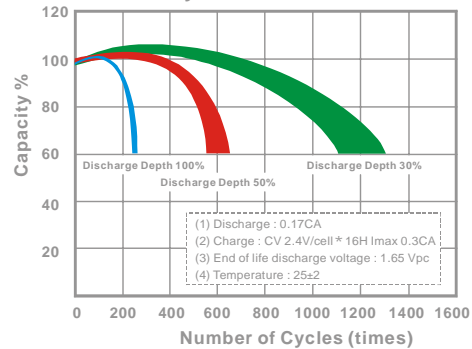
Capacity Retention Characteristic



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	1.8V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	335	358	385	403	423	443
10	min	215	230	247	258	271	284
15	min	165	172	182	190	199	207
30	min	94.3	98.6	104	109	114	119
60	min	58.6	60.6	61.9	62.6	63.2	63.2
120	min	30.9	31.9	32.6	33.0	33.3	33.3
180	min	24.9	25.7	26.3	26.6	26.9	26.9
240	min	20.0	20.7	21.1	21.3	21.6	21.6
300	min	17.0	17.6	17.9	18.1	18.3	18.3
600	min	9.53	9.86	10.07	10.2	10.3	10.3
1200	min	5.02	5.19	5.30	5.36	5.42	5.42

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

End Voltage		1.85V	1.8V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	29.9	32.0	34.3	36.0	37.7	39.5
10	min	18.7	20.0	21.5	22.5	23.6	24.7
15	min	14.0	14.6	15.5	16.2	16.9	17.6
30	min	7.92	8.28	8.75	9.16	9.57	9.98
60	min	4.90	5.07	5.18	5.24	5.29	5.29
120	min	2.57	2.66	2.72	2.75	2.78	2.78
180	min	2.06	2.13	2.18	2.21	2.23	2.23
240	min	1.65	1.71	1.75	1.76	1.78	1.78
300	min	1.40	1.45	1.48	1.50	1.52	1.52
600	min	0.78	0.81	0.83	0.84	0.85	0.85
1200	min	0.41	0.43	0.44	0.44	0.45	0.45

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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