

WP1236W 12Volt 36W

Specifications

Nominal Voltage(V) **12V**

Nominal Power

15 mins rate: **36W/cell to 1.60V/cell**

Nominal Capacity

5 hour rate (1.53A to 10.20V)	7.65Ah
1 C (9A to 9.60V)	5.7Ah
3 C (27A to 9.60V)	3.6Ah

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

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

Maximum Discharge Current for

5 seconds: **135A**

Charging Methods at 25 (77)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient -5.0mV/ /cell

Maximum Charging Current : **2.7A**

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**

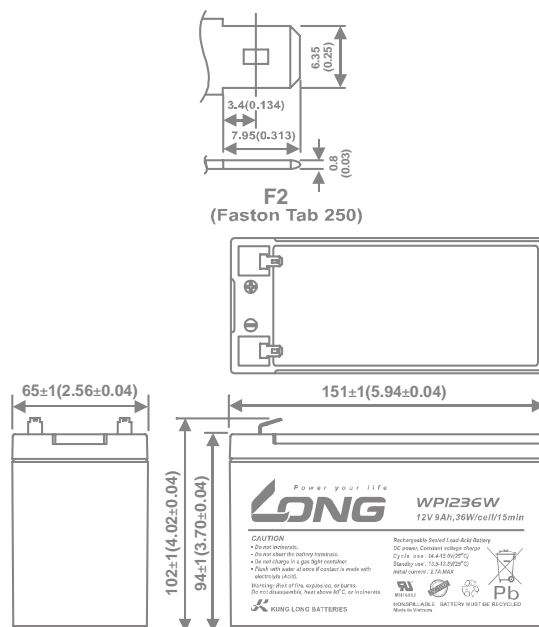
Option: Flammability resistance of (UL94 V-0)

Terminal **F2 (Faston Tab 250)**

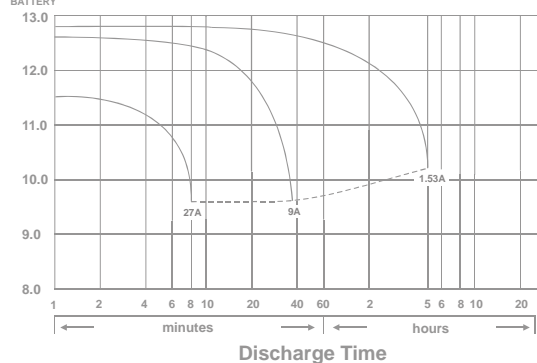


Dimensions

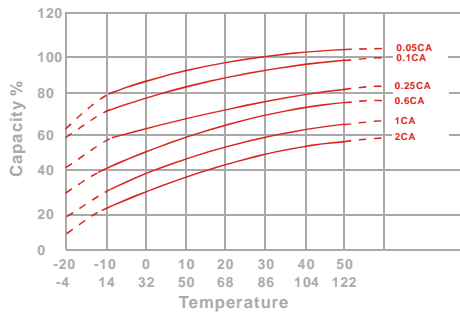
mm(inch)



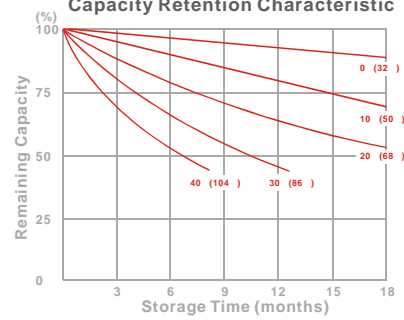
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25)



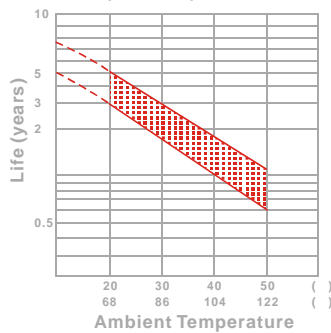
Effect of Temperature on Capacity 25 (77)



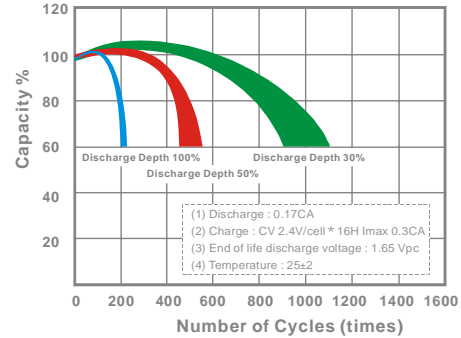
Capacity Retention Characteristic



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	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15	min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30	min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60	min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120	min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180	min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240	min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300	min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600	min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200	min	0.853	0.882	0.902	0.907	0.910	0.913	0.918

- 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	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

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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