

WP1236W 12Volt 36W

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

15 min rate	(216W to 9.60V)	54Wh
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°C (77°F)

Cycle use:

Charging Voltage **14.4 to 15.0V**

Coefficient **-5.0mV/°C/cell**

Maximum Charging Current : **2.7A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient **-3.3mV/°C/cell**

Operating Temperature Range

Charge **-15°C (5°F) to 40°C (104°F)**

Discharge **-15°C (5°F) to 50°C (122°F)**

Storage **-15°C (5°F) to 40°C (104°F)**

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Case Material

ABS

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

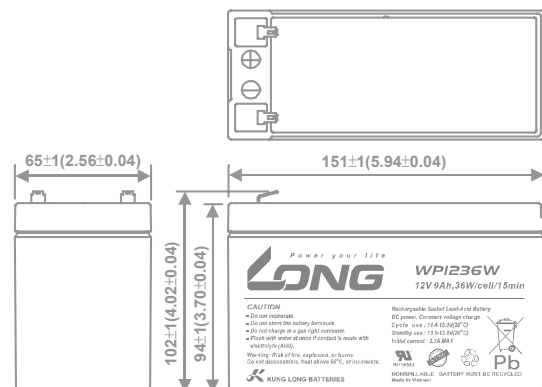
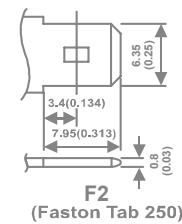
Terminal

F2 (Faston Tab 250)

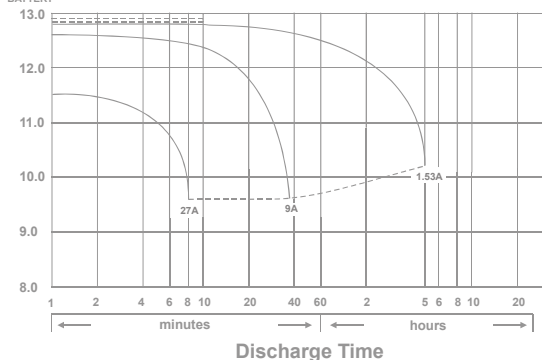


Dimensions

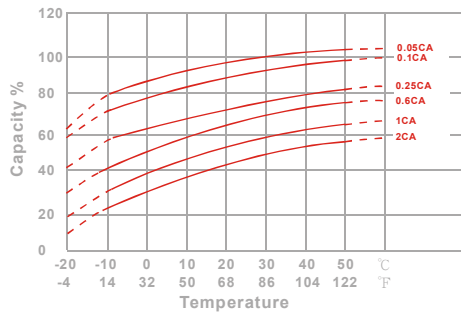
mm(inch)



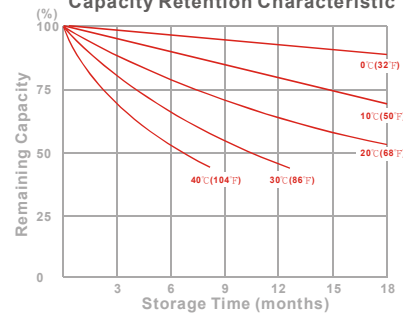
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



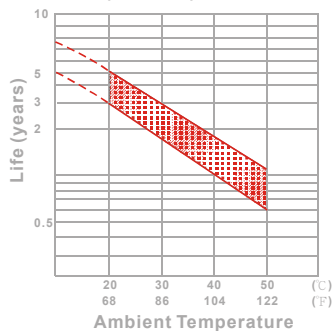
Effect of Temperature on Capacity 25°C(77°F)



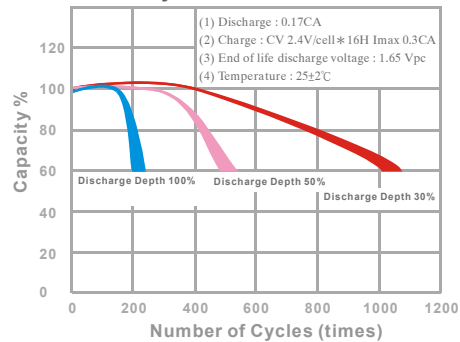
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	342	365	392	411	431	452
10	min	219	234	252	264	277	290
15	min	168	176	185	194	203	216
30	min	96.0	101	106	111	116	121
60	min	59.8	61.8	63.2	63.9	64.5	64.5
120	min	31.5	32.6	33.3	33.7	34.0	34.0
180	min	25.4	26.2	26.8	27.1	27.4	27.4
240	min	20.4	21.1	21.5	21.8	22.0	22.0
300	min	17.3	17.9	18.3	18.5	18.7	18.7
600	min	9.70	10.1	10.3	10.4	10.5	10.5
1200	min	5.12	5.29	5.41	5.47	5.53	5.53

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

End Voltage		11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
Time							
5	min	30.5	32.6	35.0	36.7	38.5	40.3
10	min	19.1	20.4	21.9	22.9	24.1	25.2
15	min	14.3	14.9	15.8	16.5	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.77	10.19
60	min	5.00	5.17	5.29	5.34	5.40	5.40
120	min	2.63	2.72	2.78	2.81	2.83	2.83
180	min	2.11	2.18	2.23	2.25	2.27	2.27
240	min	1.69	1.74	1.78	1.80	1.82	1.82
300	min	1.43	1.48	1.51	1.53	1.55	1.55
600	min	0.80	0.83	0.85	0.86	0.86	0.86
1200	min	0.42	0.44	0.45	0.45	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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