

WP7.2-12 12Volt 7.2Ah

Specifications

Nominal Voltage(V) **12V**

Nominal Capacity

20 hour rate	(0.36A to 10.50V)	7.2Ah
10 hour rate	(0.684A to 10.50V)	6.84Ah
5 hour rate	(1.224A to 10.20V)	6.12Ah
1 C	(7.2A to 9.60V)	4.08Ah
3 C	(21.6A to 9.60V)	2.88Ah

Weight **Approx. 2.4kg(5.28Lbs.)**

Internal Resistance (at 1KHz) **Approx. 22 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 : **2.16A**

Standby use:

Float Charging Voltage **13.50 to 13.80V**

Coefficient **-3.0mV/°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**

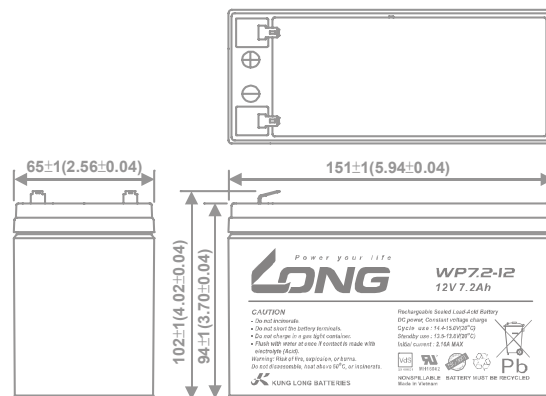
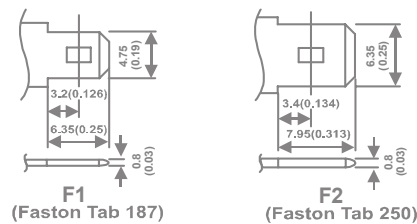
(Option: UL94 HB & UL94 V-0 flame retardant)

Terminal **F1 or F2 (Faston Tab 187 or 250)**

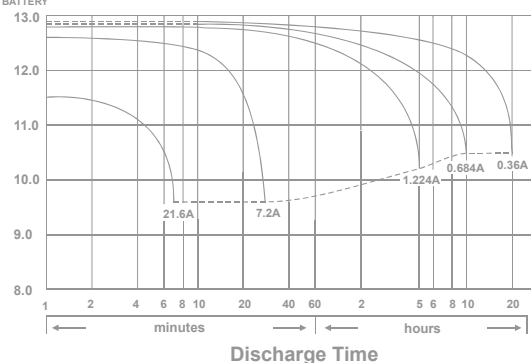


Dimensions

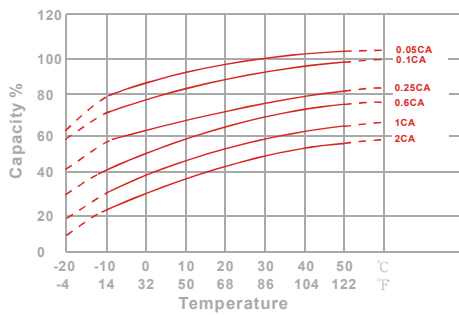
mm(inch)



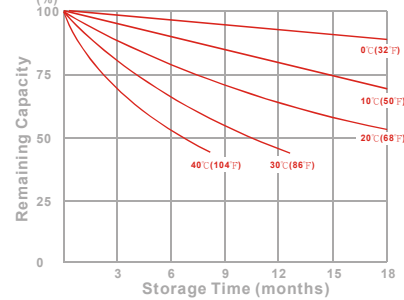
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



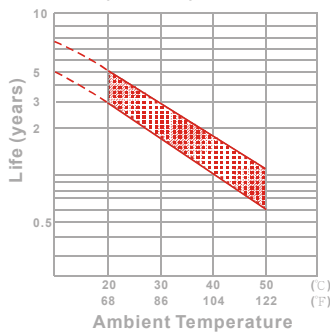
Effect of Temperature on Capacity 25°C(77°F)



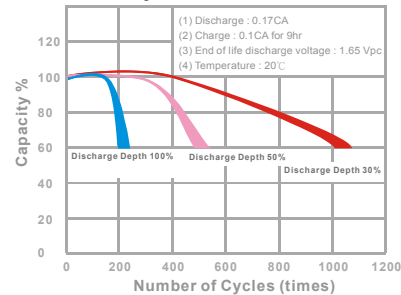
Capacity Retention Characteristic



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	323	338	362	370	380	394
10	min	165	184	198	203	210	216
15	min	140	144	149	153	157	161
30	min	89.0	90.3	91.1	91.6	92.6	93.8
60	min	47.0	47.9	48.9	49.6	50.0	50.9
120	min	30.8	31.2	32.2	32.6	32.8	33.5
180	min	19.6	20.5	21.6	21.9	22.2	22.5
240	min	15.0	15.5	16.2	16.5	16.8	17.3
300	min	12.5	13.0	13.8	14.1	14.2	14.6
600	min	7.28	7.62	8.04	8.15	8.26	8.37
1200	min	3.81	4.03	4.33	4.44	4.54	4.64

- 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	28.8	30.2	32.4	33.1	34.0	35.2
10	min	16.2	17.0	18.2	18.6	19.1	19.8
15	min	12.5	13.1	13.6	13.9	14.1	14.5
30	min	6.56	6.88	7.14	7.30	7.40	7.61
60	min	3.90	4.08	4.31	4.37	4.42	4.48
120	min	2.05	2.14	2.26	2.29	2.32	2.35
180	min	1.63	1.70	1.79	1.82	1.84	1.87
240	min	1.30	1.36	1.44	1.46	1.47	1.49
300	min	1.11	1.16	1.22	1.24	1.25	1.27
600	min	0.65	0.68	0.72	0.73	0.74	0.75
1200	min	0.34	0.36	0.38	0.38	0.39	0.39

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)