

WP12-6S 6Volt 12Ah

Specifications

Nominal Voltage(V) **6V**

Nominal Capacity

20 hour rate	(0.6A)	to	5.25V	12Ah
10 hour rate	(1.14A)	to	5.25V	11.4Ah
5 hour rate	(2.04A)	to	5.1V	10.2Ah
1 C	(12A)	to	4.8V	6.8Ah
3 C	(36A)	to	4.8V	4.8Ah

Weight **Approx. 1.84kg(4.05Lbs.)**

Internal Resistance (at 1KHz) **Approx. 6 mΩ**

Maximum Discharge Current for 5 seconds: **180A**

Charging Methods at 25 (77)

Cycle use:	
Charging Voltage	7.20 to 7.50V
Coefficient -5.0mV/ /cell	
Maximum Charging Current :	3.6A
Standby use:	
Float Charging Voltage	6.75 to 6.90V
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**

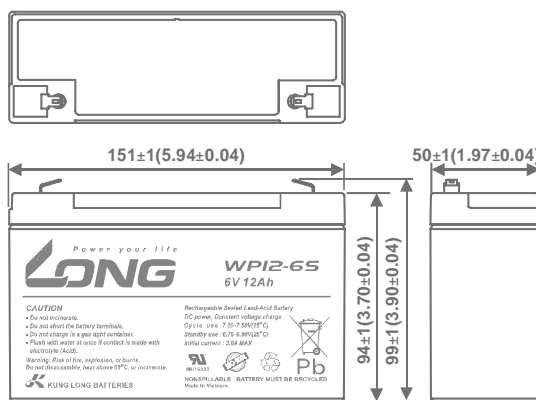
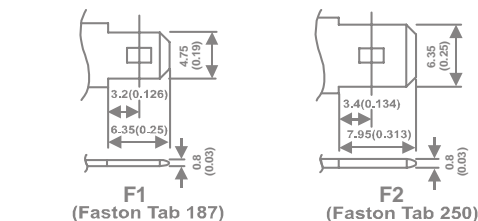
Option: Flammability resistance of (UL94 V-0)

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

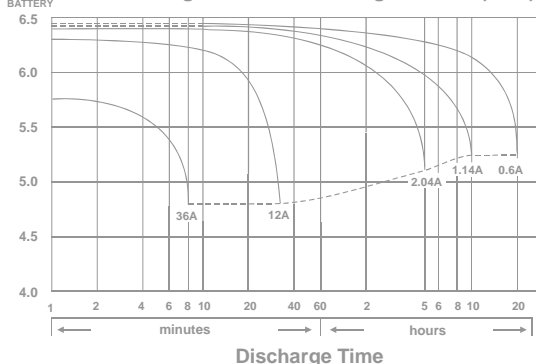


Dimensions

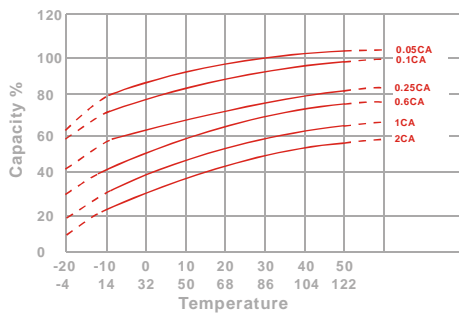
mm(inch)



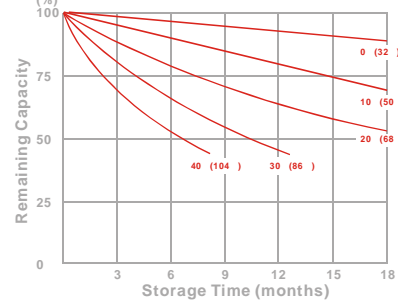
Discharge Time VS. Discharge Current (25)



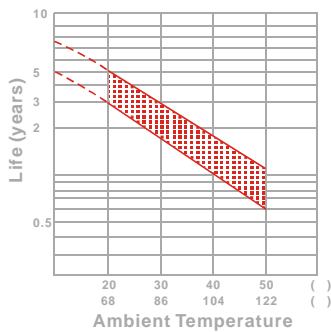
Effect of Temperature on Capacity 25 (77)



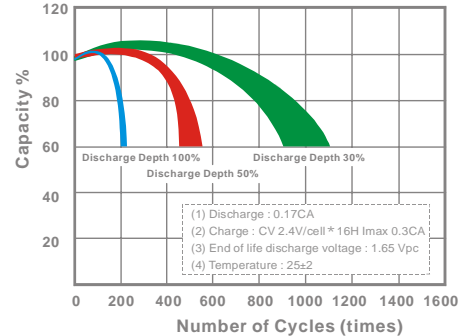
Capacity Retention Characteristic



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	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	72.5	77.9	80.3	81.9	84.0	85.7	87.5
10	min	47.7	52.4	54.0	55.1	56.8	57.5	58.9
15	min	39.5	41.5	42.8	43.7	45.0	45.9	46.2
30	min	22.2	24.0	24.7	25.2	26.5	27.0	27.4
60	min	13.5	14.4	14.8	15.1	15.4	15.7	15.9
120	min	7.85	8.51	8.77	8.95	9.01	9.29	9.40
180	min	5.88	5.95	6.35	6.37	6.40	6.45	6.58
240	min	4.75	4.80	4.85	4.87	4.92	4.94	4.98
300	min	3.92	4.15	4.28	4.32	4.35	4.40	4.44
600	min	2.10	2.21	2.28	2.33	2.39	2.44	2.47
1200	min	1.09	1.20	1.23	1.26	1.31	1.35	1.39

- 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	39.5	41.2	44.3	45.2	46.7	47.1	47.8
10	min	27.1	30.0	31.8	32.4	33.1	33.4	33.7
15	min	20.2	21.0	22.3	22.4	23.2	23.4	23.6
30	min	12.0	12.3	13.0	13.5	13.7	13.8	14.1
60	min	7.32	7.56	8.02	8.18	8.34	8.42	8.45
120	min	3.95	4.15	4.40	4.49	4.58	4.62	4.66
180	min	2.95	3.00	3.11	3.17	3.24	3.26	3.29
240	min	2.30	2.33	2.47	2.52	2.57	2.59	2.62
300	min	1.85	1.95	2.07	2.11	2.15	2.17	2.21
600	min	1.13	1.16	1.20	1.22	1.25	1.26	1.31
1200	min	0.610	0.617	0.630	0.645	0.665	0.670	0.692

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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