

## WP12-6S 6Volt 12Ah

### Specifications

Nominal Voltage(V) **6V**

#### Nominal Capacity

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

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	<b>7.20 to 7.50V</b>
Coefficient -5.0mV/ /cell	
Maximum Charging Current :	<b>3.6A</b>
Standby use:	
Float Charging Voltage	<b>6.75 to 6.90V</b>
Coefficient -3.0mV/ /cell	

#### Operating Temperature Range

Charge	<b>-15 (5 )</b>	to	<b>40 (104 )</b>
Discharge	<b>-15 (5 )</b>	to	<b>50 (122 )</b>
Storage	<b>-15 (5 )</b>	to	<b>40 (104 )</b>

#### Charge Retention (shelf life) at 20 (68 )

1 month	<b>92%</b>
3 month	<b>90%</b>
6 month	<b>80%</b>

Case Material **ABS UL94 HB**

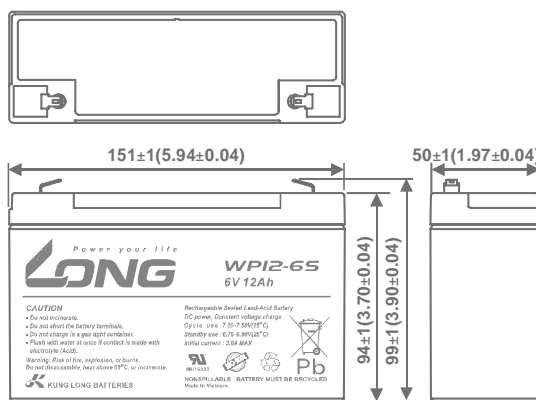
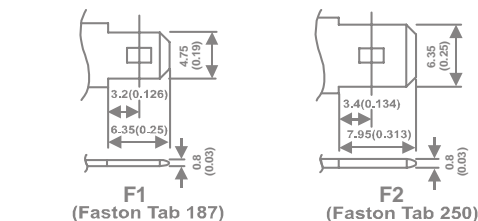
Option: Flammability resistance of (UL94 V-0)

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

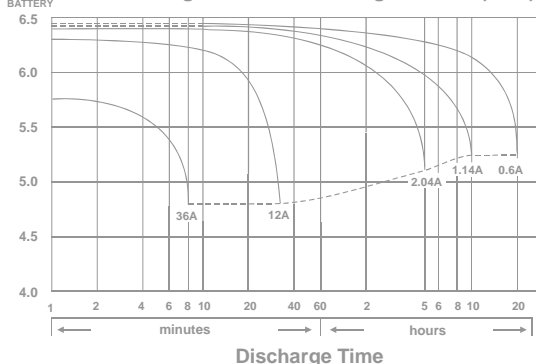


### Dimensions

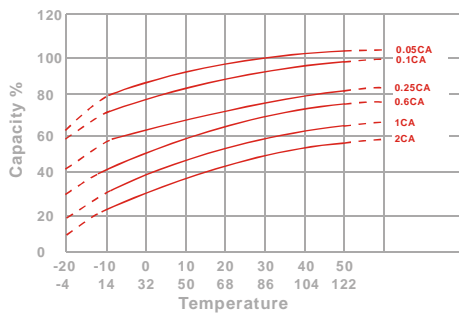
mm(inch)



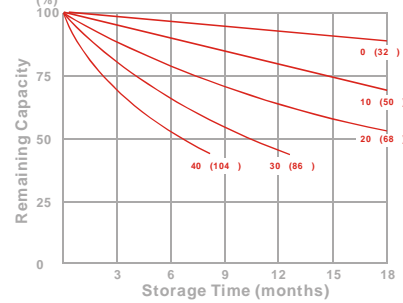
#### Discharge Time VS. Discharge Current (25 )



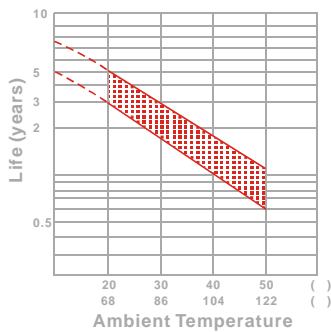
Effect of Temperature on Capacity 25 (77 )



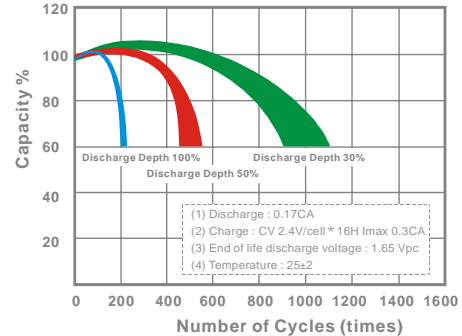
Capacity Retention Characteristic



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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