

## WP10-6 6Volt 10Ah

### Specifications

Nominal Voltage(V) **6V**

#### Nominal Capacity

20 hour rate	(0.5A	to	5.25V)	<b>10Ah</b>
10 hour rate	(0.95A	to	5.25V)	<b>9.5Ah</b>
5 hour rate	(1.7A	to	5.1V)	<b>8.5Ah</b>
1 C	(10A	to	4.8V)	<b>5.67Ah</b>
3 C	(30A	to	4.8V)	<b>4.0Ah</b>

Weight **Approx. 2.0kg(4.40Lbs.)**

Internal Resistance (at 1KHz) **Approx. 9 mΩ**

Maximum Discharge Current for 5 seconds: **135A**

#### Charging Methods at 25°C (77°F)

<b>Cycle use:</b>	
Charging Voltage	<b>7.20 to 7.50V</b>
Coefficient	<b>-5.0mV/°C/cell</b>
Maximum Charging Current :	<b>3A</b>
<b>Standby use:</b>	
Float Charging Voltage	<b>6.75 to 6.90V</b>
Coefficient	<b>-3.0mV/°C/cell</b>

#### Operating Temperature Range

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

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

1 month	<b>92%</b>
3 month	<b>90%</b>
6 month	<b>85%</b>

Case Material **ABS**

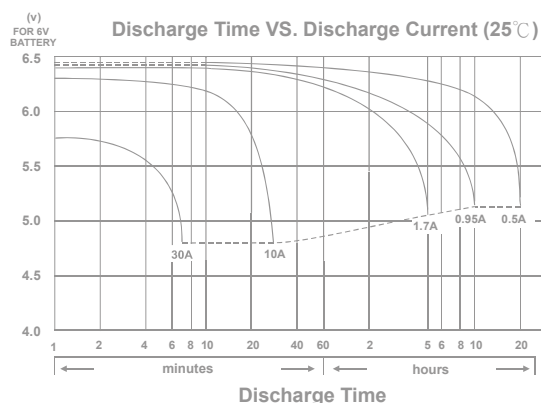
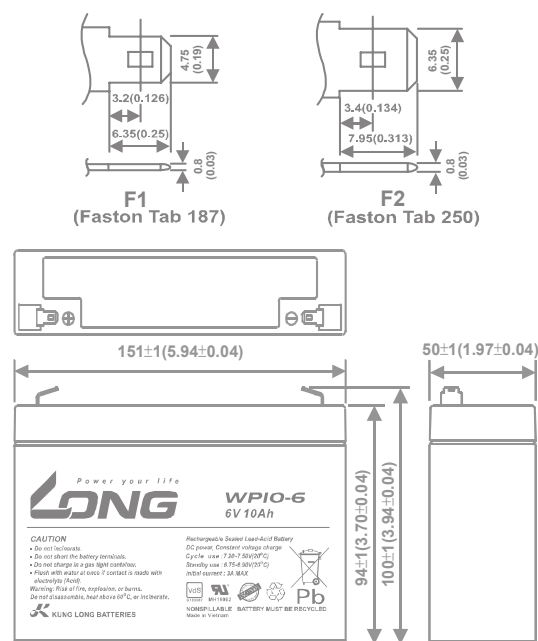
(Option: UL94 HB & UL94 V-0 flame retardant )

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

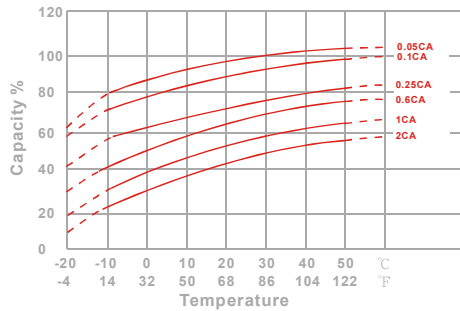


### Dimensions

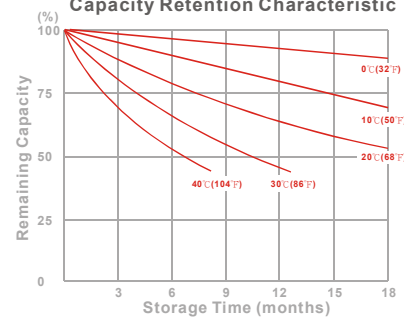
mm(inch)



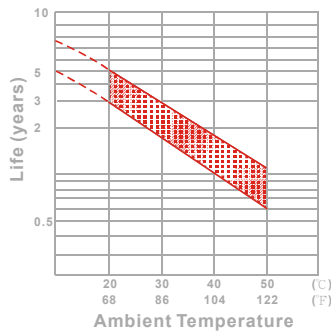
Effect of Temperature on Capacity 25°C(77°F)



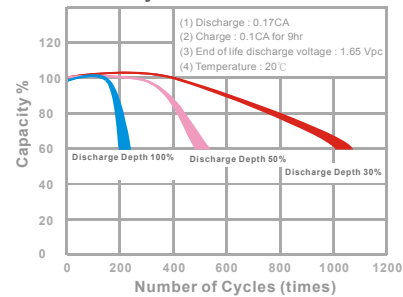
Capacity Retention Characteristic



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		5.55V	5.4V	5.25V	5.1V	4.95V	4.8V
Time							
5	min	149	162	175	188	202	215
10	min	107	115	124	133	142	150
15	min	87.9	94.5	101	108	115	121
30	min	53.3	57.0	60.6	64.2	67.9	71.5
60	min	40.3	43.0	45.8	48.5	50.9	53.3
180	min	32.4	34.2	36.1	37.9	39.7	41.5
300	min	19.8	20.5	21.2	21.9	22.5	23.1
600	min	13.9	14.4	14.8	15.3	15.8	16.1
1200	min	10.2	10.4	10.7	10.9	11.2	11.4

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

End Voltage		5.55V	5.4V	5.25V	5.1V	4.95V	4.8V
Time							
5	min	27.8	30.0	32.2	34.3	36.4	38.4
10	min	18.9	20.2	21.5	22.8	24.0	25.3
15	min	15.5	16.5	17.5	18.4	19.3	20.2
30	min	8.45	8.95	9.44	9.92	10.4	10.8
60	min	5.33	5.62	5.90	6.17	6.42	6.67
180	min	2.25	2.36	2.47	2.58	2.67	2.76
300	min	1.65	1.71	1.77	1.82	1.87	1.92
600	min	0.88	0.90	0.92	0.94	0.96	0.98
1200	min	0.48	0.49	0.51	0.52	0.52	0.53

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%)

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