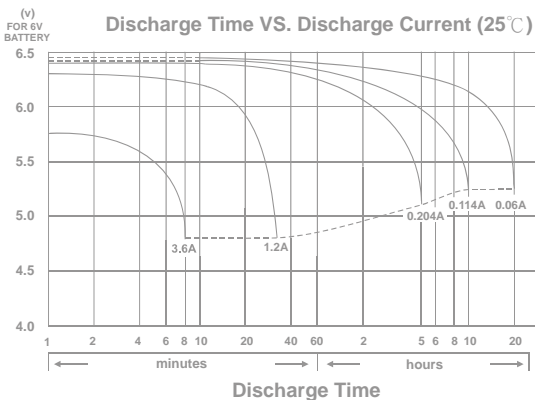
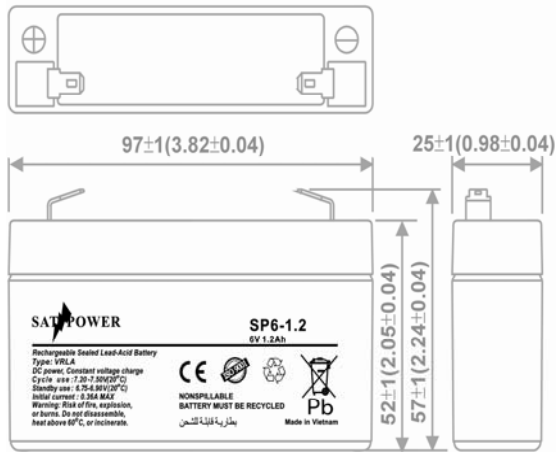
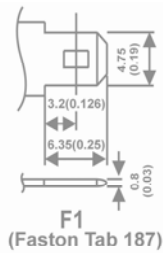




## Dimensions mm(inch)



## SP6-1.2

### Specifications

Nominal Voltage(V) **6V**

#### Nominal Capacity

20 hour rate	(0.06A	to	5.25V)	1.2Ah
10 hour rate	(0.114A	to	5.25V)	1.14Ah
5 hour rate	(0.204A	to	5.1V)	1.02Ah
1 C	(1.2A	to	4.8V)	0.68Ah
3 C	(3.6A	to	4.8V)	0.48Ah

Weight **Approx. 297g(0.65Lbs.)**

Internal Resistance (at 1KHz) **Approx. 41 mΩ**

#### Maximum Discharge Current for

5 seconds: **18A**

#### Charging Methods at 25°C (77°F)

Cycle use:	7.20 to 7.50V
Charging Voltage	7.20 to 7.50V
Coefficient	-5.0mv/°C/cell
Maximum Charging Current :	0.36A
Standby use:	6.75 to 6.90V
Float Charging Voltage	6.75 to 6.90V
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**  
**(UL94 HB)**

Terminal **F1 (Faston Tab 187)**

### Applications

- UPS System
- Alarm Systems & Security equipment
- Telephone & telecom equipment
- Emergency lighting
- Fire & gas detection devices
- Portable measuring instruments
- Medical equipment
- Portable video cameras & television
- Solar systems
- Power tools

**- PERFORMANCE DATA**

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	21.6	23.5	24.8	26.0	26.4	27.0	27.9
10	min	13.9	15.0	15.9	16.6	16.8	17.0	17.3
15	min	11.0	11.6	12.2	12.6	12.8	13.0	13.2
30	min	6.45	6.75	6.95	7.10	7.15	7.25	7.35
60	min	3.96	4.18	4.30	4.40	4.44	4.49	4.55
120	min	2.24	2.43	2.54	2.63	2.66	2.70	2.75
180	min	1.60	1.72	1.81	1.87	1.90	1.94	1.97
240	min	1.31	1.41	1.49	1.54	1.56	1.59	1.61
300	min	1.26	1.33	1.37	1.41	1.42	1.43	1.45
600	min	0.660	0.700	0.730	0.750	0.755	0.765	0.775
1200	min	0.369	0.379	0.386	0.390	0.392	0.394	0.396

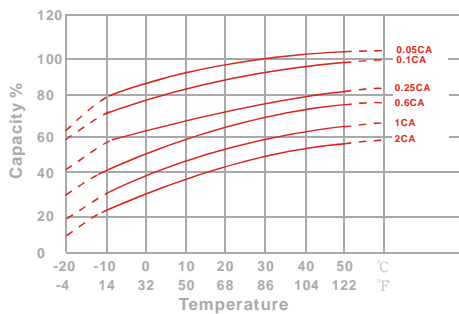
**Discharge Rates in Watts to Various End Voltages at 25°C(77°F)**

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	3.49	4.11	4.57	4.94	5.09	5.26	5.51
10	min	2.12	2.43	2.63	2.81	2.88	2.96	3.11
15	min	1.71	1.95	2.09	2.20	2.24	2.29	2.35
30	min	0.931	1.06	1.17	1.24	1.26	1.29	1.32
60	min	0.680	0.716	0.735	0.759	0.765	0.772	0.779
120	min	0.392	0.415	0.429	0.440	0.444	0.449	0.456
180	min	0.272	0.291	0.302	0.311	0.314	0.318	0.324
240	min	0.223	0.238	0.247	0.254	0.257	0.260	0.264
300	min	0.207	0.219	0.226	0.231	0.233	0.236	0.238
600	min	0.112	0.117	0.121	0.124	0.125	0.126	0.127
1200	min	0.0615	0.0624	0.0631	0.0637	0.0639	0.0642	0.0646

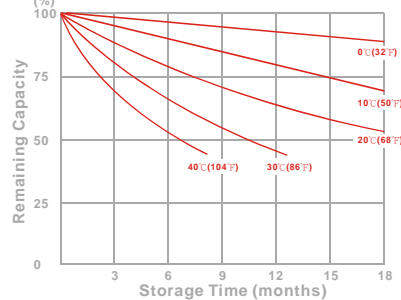
All data on the spec. sheet is an average value:

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%)

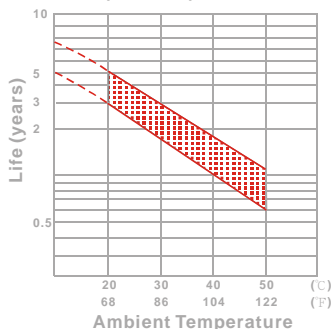
**Effect of Temperature on Capacity 25°C(77°F)**



**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**

