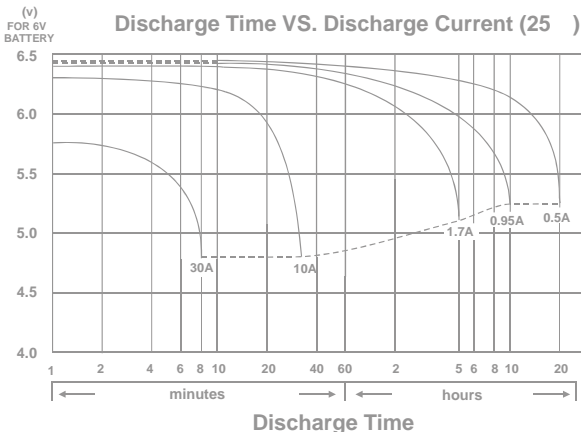
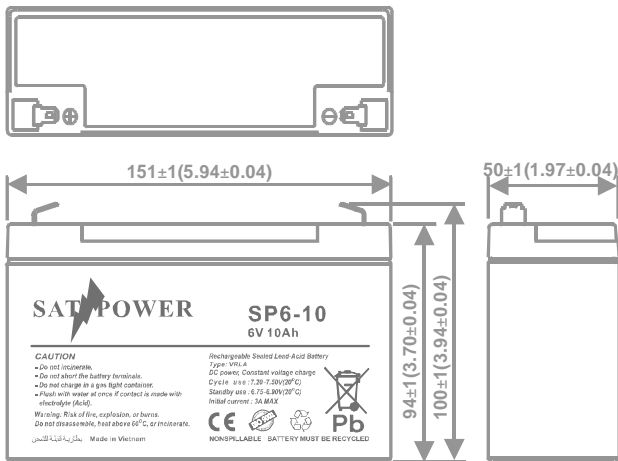
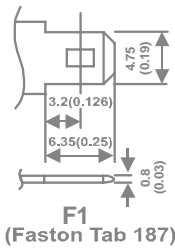




Dimensions mm(inch)



SP6-10

Specifications

Nominal Voltage(V) 6V

Nominal Capacity

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

Weight Approx. 2.0kg(4.40Lbs.)

Internal Resistance (at 1KHz) Approx. 9 mΩ

Maximum Discharge Current for 5 seconds: 150A

Charging Methods at 25 °C (77 °F)

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

Operating Temperature Range

Charge	-15 (5 °C)	to	40 (104 °F)
Discharge	-15 (5 °C)	to	50 (122 °F)
Storage	-15 (5 °C)	to	40 (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 (77)

Time	End Voltage	1.85V	1.8V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	38.1	41.2	43.8	46.1	47.2	48.4	50.3
10	min	26.1	28.2	29.8	31.1	31.6	32.2	33.0
15	min	19.2	20.0	21.2	22.1	22.4	22.8	23.4
30	min	11.1	11.7	12.0	12.2	12.3	12.4	12.6
60	min	5.89	6.25	6.42	6.58	6.65	6.73	6.85
120	min	3.43	3.61	3.76	3.89	3.94	4.00	4.08
180	min	2.35	2.51	2.64	2.75	2.79	2.84	2.91
240	min	1.96	2.05	2.12	2.18	2.20	2.23	2.26
300	min	1.73	1.80	1.85	1.89	1.90	1.92	1.94
600	min	0.994	1.03	1.06	1.08	1.09	1.10	1.11
1200	min	0.538	0.553	0.562	0.567	0.570	0.573	0.577

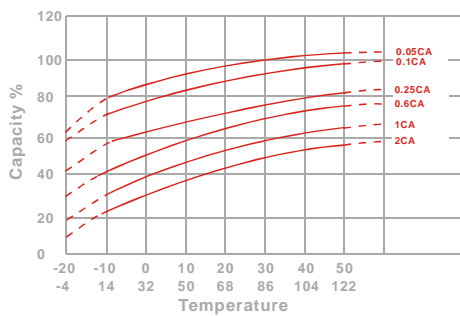
Discharge Rates in Watts to Various End Voltages at 25 (77)

Time	End Voltage	1.85V	1.8V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	185	204	219	232	237	243	253
10	min	138	150	159	166	169	173	178
15	min	113	117	120	123	125	128	131
30	min	58.8	61.2	63.4	65.6	66.0	66.4	69.7
60	min	34.6	36.7	37.6	38.5	38.9	39.3	39.9
120	min	22.3	23.4	23.8	24.2	24.3	24.4	24.6
180	min	15.3	16.1	16.6	17.0	17.1	17.4	17.7
240	min	12.2	12.6	12.9	13.2	13.4	13.6	13.8
300	min	10.2	10.8	11.2	11.5	11.6	11.7	11.8
600	min	6.19	6.40	6.51	6.62	6.67	6.72	6.79
1200	min	3.25	3.37	3.44	3.49	3.51	3.52	3.54

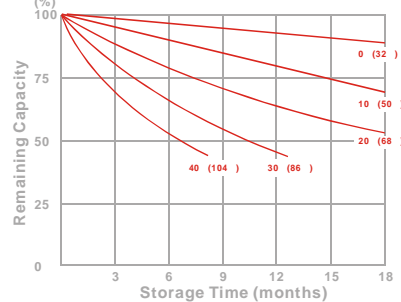
All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min X<10min(+12%~-12%),10min X < 60min(+8%~-8%), X 60min(+5%~-5%)

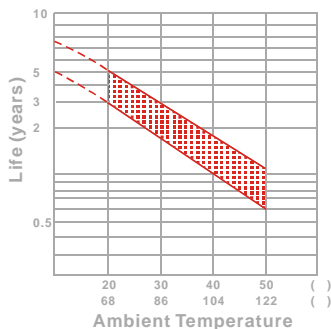
Effect of Temperature on Capacity 25 (77)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

