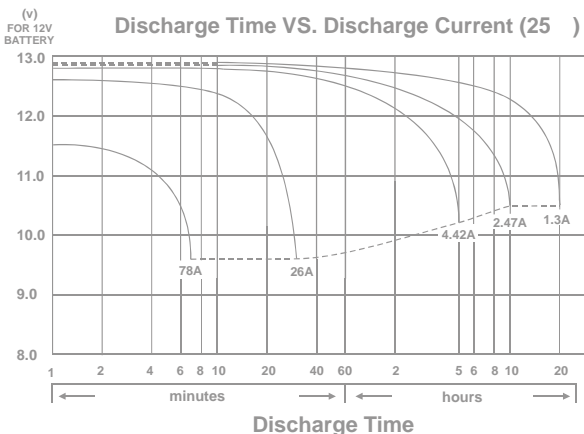
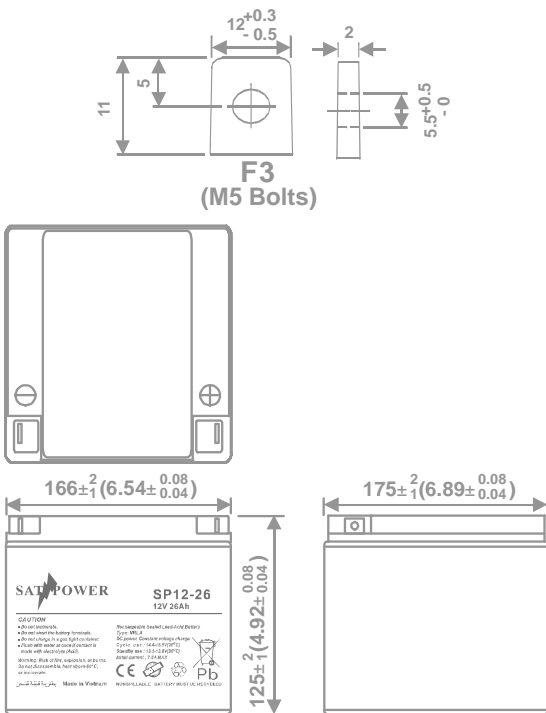




## Dimensions mm(inch)



# SP12-26

## Specifications

Nominal Voltage(V) 12V

### Nominal Capacity

20 hour rate	(1.3A	to	10.50V)	26Ah
10 hour rate	(2.47A	to	10.50V)	24.7Ah
5 hour rate	(4.42A	to	10.20V)	22.1Ah
1 C	(26A	to	9.60V)	13.87Ah
3 C	(78A	to	9.60V)	9.10Ah

Weight Approx. 8.0kg(17.6Lbs.)

Internal Resistance (at 1KHz) Approx. 11 mΩ

Maximum Discharge Current for 5 seconds: 390A

### Charging Methods at 25 (77 °C)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mv/°C /cell	
Maximum Charging Current :	7.8A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mv/°C /cell	

### Operating Temperature Range

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

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

1 month	92%
3 month	90%
6 month	80%

Case Material ABS  
(UL94 HB)

Terminal F3

## 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		70.2	82.3	90.7	96.1	98.3	101	105
10	min		50.8	55.4	59.6	63.8	65.5	67.4	70.6
15	min		37.7	43.5	47.1	49.2	50.8	51.5	52.8
30	min		20.8	23.2	24.7	25.6	26.2	26.9	27.7
60	min		14.5	15.0	15.3	15.5	15.6	15.7	15.8
120	min		7.65	7.96	8.08	8.19	8.22	8.26	8.31
180	min		6.21	6.41	6.50	6.53	6.55	6.58	6.62
240	min		4.97	5.07	5.14	5.20	5.22	5.25	5.28
300	min		4.22	4.35	4.40	4.44	4.45	4.47	4.49
600	min		2.48	2.56	2.60	2.61	2.62	2.63	2.64
1200	min		1.29	1.33	1.35	1.36	1.37	1.38	1.39

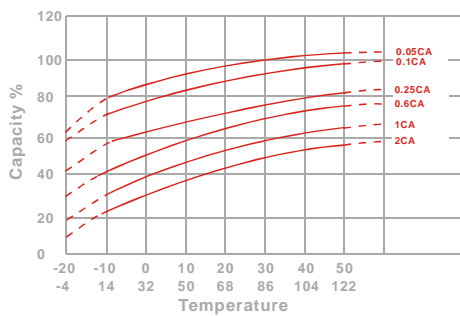
**Discharge Rates in Watts to Various End Voltages at 25 (77 )**

Time		End Voltage	1.85V	1.8V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min		686	772	853	928	956	991	1062
10	min		605	654	691	722	741	758	786
15	min		461	489	515	539	550	559	578
30	min		246	267	279	288	293	297	302
60	min		162	171	176	180	181	183	185
120	min		87.6	92.5	95.4	97.0	98.2	99.1	100
180	min		73.3	75.9	77.2	78.3	78.6	79.0	79.5
240	min		58.9	61.1	62.2	63.1	63.3	63.6	63.9
300	min		50.8	52.2	52.9	53.6	53.8	54.1	54.3
600	min		29.6	30.7	31.3	31.8	31.9	32.1	32.3
1200	min		15.2	15.7	16.1	16.4	16.5	16.6	16.7

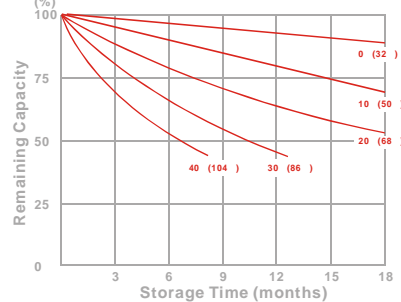
All data on the spec. sheet is an average value:

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

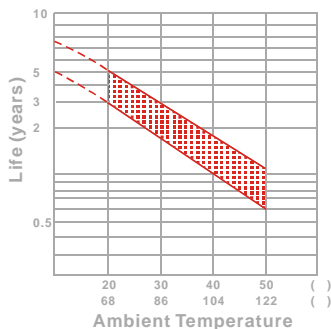
**Effect of Temperature on Capacity 25 (77 )**



**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**

