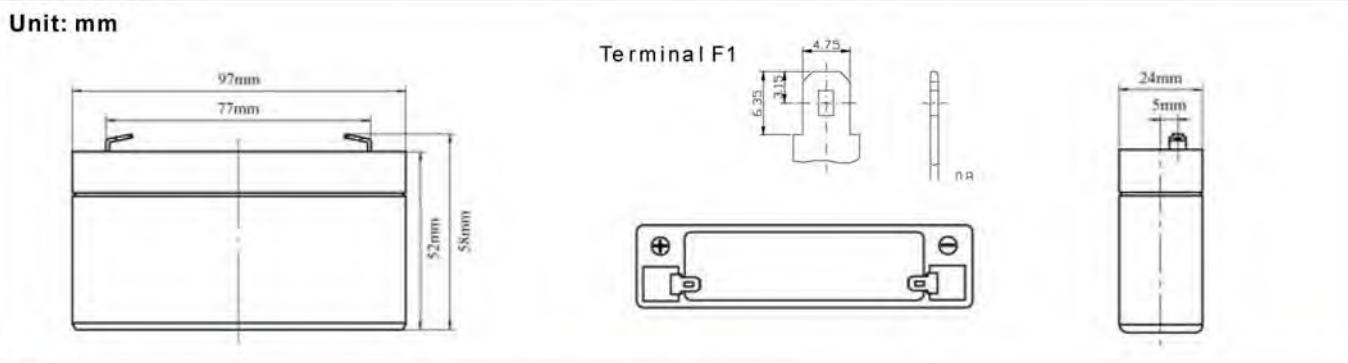




## Specification

<b>Cells Per Unit</b>	3
<b>Voltage Per Unit</b>	6
<b>Capacity</b>	1.3Ah@20hr-rate to 1.75V per cell @25°C
<b>Weight</b>	Approx. 0.32 Kg
<b>Size (LxWxHxTotal H)</b>	97 x 24 x 52 x 58 mm.
<b>Max. Discharge Current</b>	13A (5 sec)
<b>Internal Resistance</b>	Approx. 50 mΩ
<b>Operating Temperature Range</b>	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
<b>Normal Operating Temperature Range</b>	25°C±5°C
<b>Float charging Voltage</b>	6.8 to 6.9 VDC/unit Average at 25°C
<b>Recommended Maximum Charging Current Limit</b>	0.39 A
<b>Equalization and Cycle Service</b>	7.25 to 7.45 VDC/unit Average at 25°C
<b>Self Discharge</b>	SPA batteries can be stored for more than 6 months at 25°C. Please charge batteries before using. For higher temperature, the time interval will be shorter.
<b>Terminal</b>	Faston Tab 187(F1)
<b>Container Material</b>	A.B.S. (UL94-HB) Flammability resistance of UL94-V2 can be available upon request.

## Dimensions



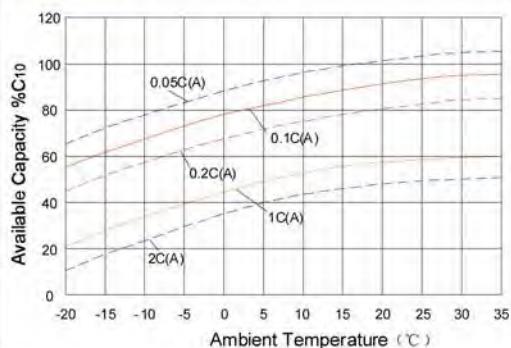
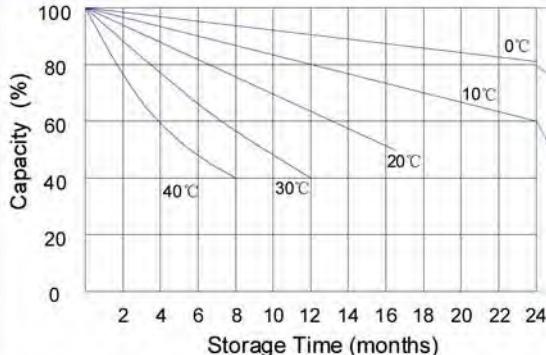
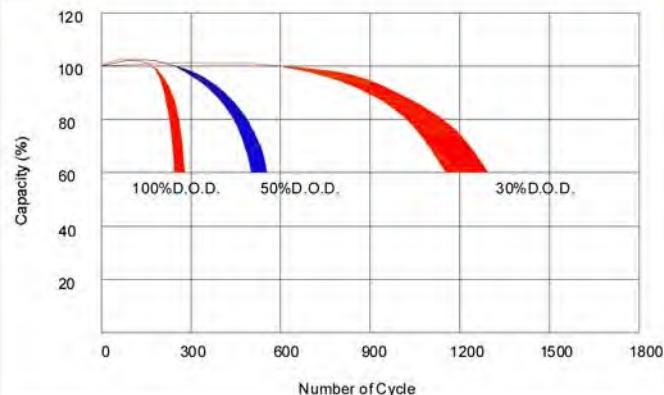
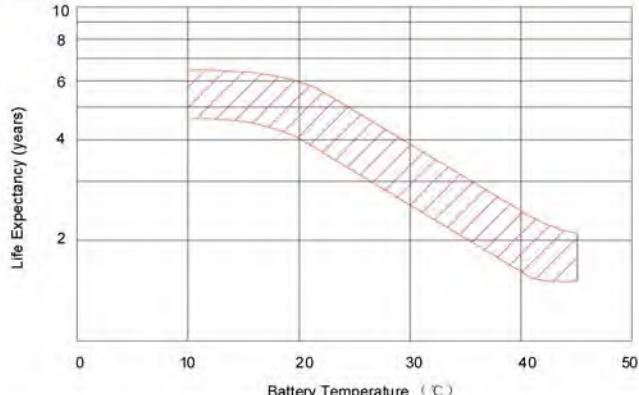
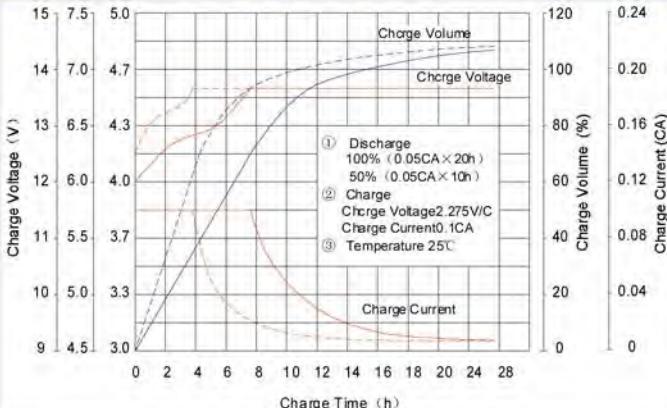
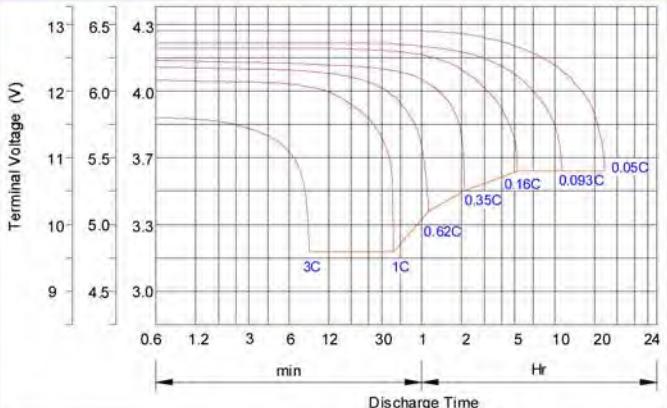
## Constant Current Discharge Characteristics Unit: A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	5.40	3.61	2.77	1.53	0.90	0.54	0.34	0.27	0.22	0.16	0.13	0.08
1.67V	5.05	3.37	2.61	1.51	0.90	0.54	0.34	0.27	0.22	0.16	0.13	0.07
1.70V	4.78	3.26	2.55	1.50	0.89	0.53	0.33	0.27	0.22	0.16	0.13	0.07
1.75V	4.31	3.06	2.42	1.45	0.88	0.53	0.33	0.27	0.22	0.16	0.12	0.07
1.80V	3.86	2.85	2.28	1.42	0.87	0.52	0.33	0.27	0.22	0.16	0.12	0.07
1.85V	3.40	2.63	2.15	1.39	0.86	0.51	0.33	0.27	0.22	0.16	0.12	0.07

## Constant Power Discharge Characteristics Unit: W(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	10.40	6.76	5.49	3.06	1.80	1.08	0.66	0.54	0.52	0.33	0.25	0.14
1.67V	9.75	6.50	5.21	3.00	1.80	1.07	0.66	0.54	0.51	0.33	0.25	0.14
1.70V	9.56	6.31	4.41	2.98	1.80	1.07	0.66	0.54	0.51	0.33	0.25	0.13
1.75V	4.78	6.05	4.83	2.91	1.77	1.05	0.66	0.54	0.51	0.33	0.25	0.13
1.80V	7.71	5.66	3.80	2.84	1.73	1.04	0.65	0.53	0.51	0.31	0.24	0.13
1.85V	6.79	5.27	4.29	2.77	1.70	1.03	0.65	0.53	0.51	0.31	0.24	0.12

All mentioned values are average values.

**Temperature effects curve****Storage characteristic****Life characteristics of cyclic use****Effect of temperature on long term float life****Charge characteristic Curve for standby use****Discharge characteristic Curve****Charging Procedures**

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°C	7.35	7.25~7.45	0.3C
Standby	25°C	6.85	6.8~6.9	0.3C

**Discharge Current VS. Discharge Voltage**

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤ 0.2C	0.2C < (A) < 1.0C	(A) ≥ 1.0C

**Charge the batteries at least once every six months, if they are stored at 25°C.**

**Charging Method:**

Constant Voltage	7.25~7.45V, 5~11h, Max. Current 0.3CA
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