



● Specifications

Nominal Voltage		6V
Rated Capacity (20 hour rate)		4.5Ah
Dimensions	Total Height	107±2mm(4.21 inches)
	Height	101±2mm(3.98 inches)
	Length	70±2mm(2.76 inches)
	Width	47±2mm(1.85 inches)
Weight Approx		0.72kg(1.59 lbs)± 4%

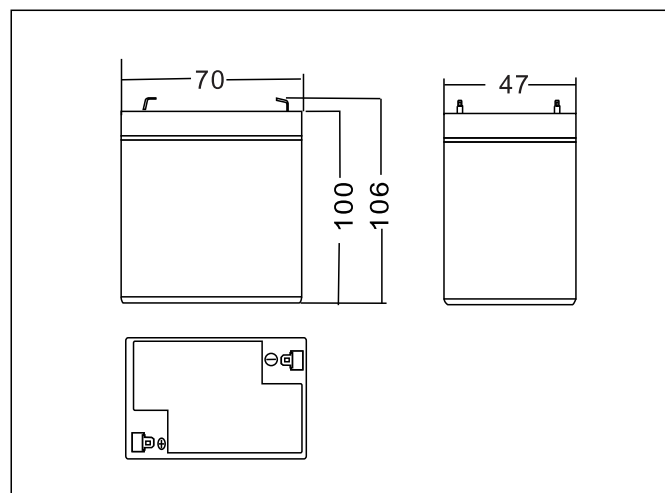
● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.225A)	4.50 AH
	10 hour rate(0.42A)	4.20 AH
	5 hour rate(0.78A)	3.90AH
	1hour rate(2.90A)	2.90 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	25mΩ
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Charge (constant voltage)	Cycle	Initial Charging Current Less than 1.35 A Voltage 7.20-7.50V
	Float	Voltage 6.75-6.90V

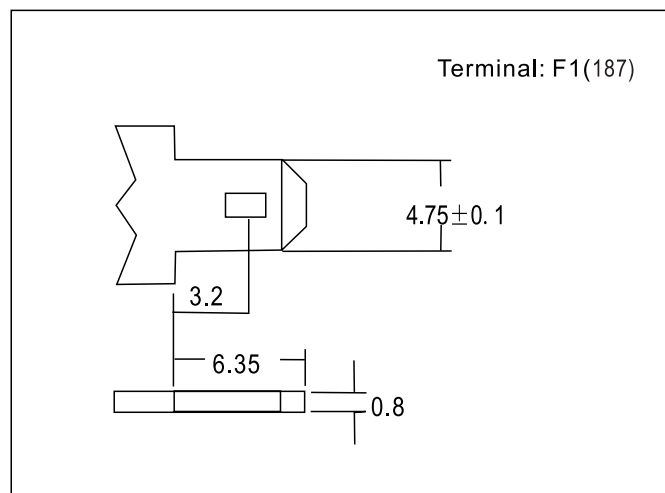
● Applications

- Electric tools
- Electric toys
- Emergency lighting
- Electronic instruments
- Medical equipment
- Alarm and security systems
- Solar power systems
- Wind power systems
- Telecommunication equipments
- Uninterruptible power supplies

● Outer Dimensions (mm)



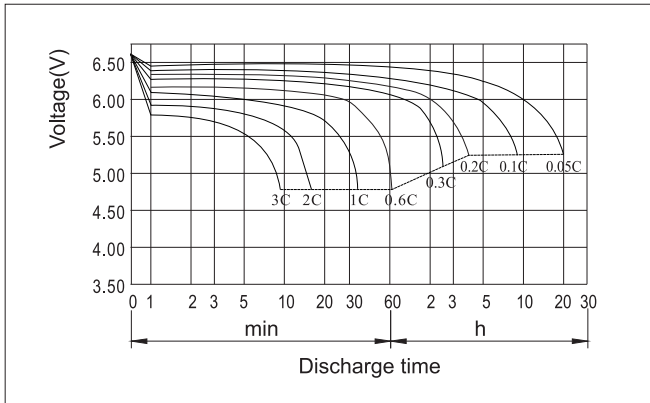
● Terminal Type (mm)



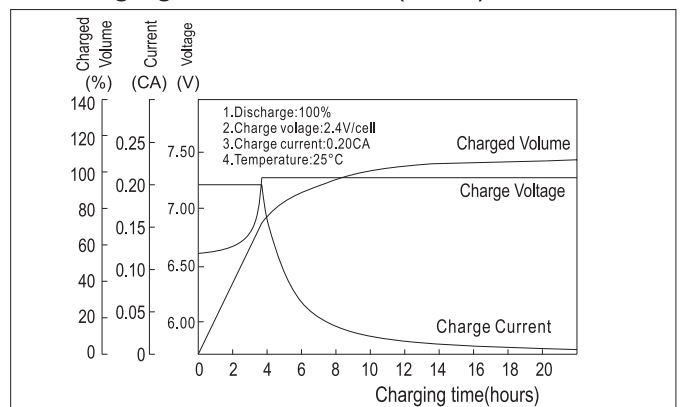
Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h
4.80V	A 17.1	10.8	8.55	4.77	2.93	16.0	1.15	0.92	0.78	0.42	0.228
	w 95.4	60.9	48.7	27.3	16.9	9.35	6.82	5.47	4.66	2.55	1.37
4.95V	A 16.6	10.5	8.34	4.67	2.88	1.59	1.14	0.91	0.78	0.42	0.227
	w 92.6	59.1	47.6	26.8	16.7	9.30	6.78	5.43	4.63	2.54	1.36
5.10V	A 15.9	10.0	8.04	4.53	2.81	1.58	1.13	0.91	0.77	0.42	0.226
	w 88.7	56.6	45.8	26.0	16.3	9.21	6.73	5.40	4.60	2.53	1.36
5.25V	A 15.2	9.61	7.76	4.42	2.75	1.55	1.13	0.90	0.77	0.42	0.225
	w 84.9	54.2	44.3	25.3	15.9	9.08	6.68	5.36	4.57	2.51	1.35
5.40V	A 14.4	9.07	7.35	4.26	2.67	1.51	1.09	0.87	0.74	0.74	0.221
	w 80.2	51.2	41.9	24.4	15.4	8.85	6.48	5.20	4.43	2.46	1.32

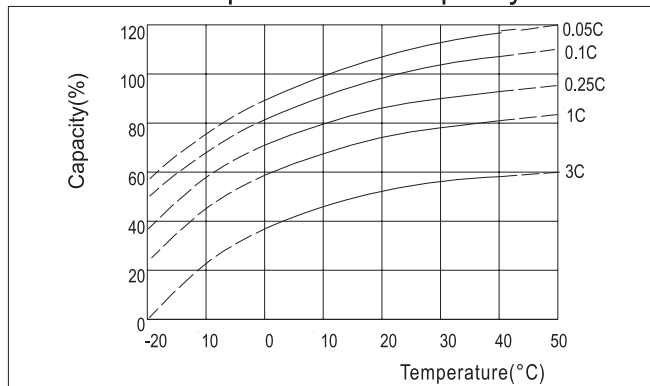
● Discharge Characteristics(25°C)



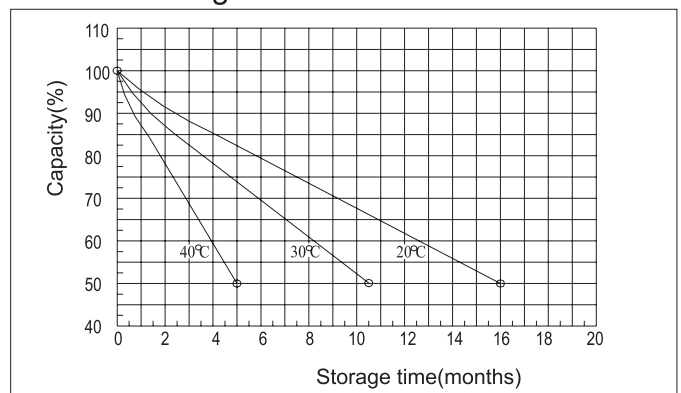
● Charging Characteristics(25°C)



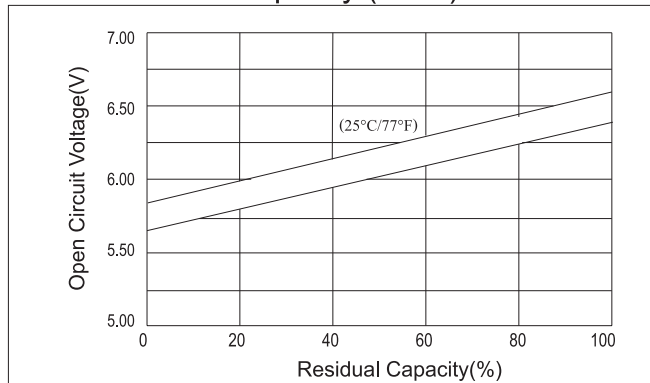
● Effect of Temperature on Capacity



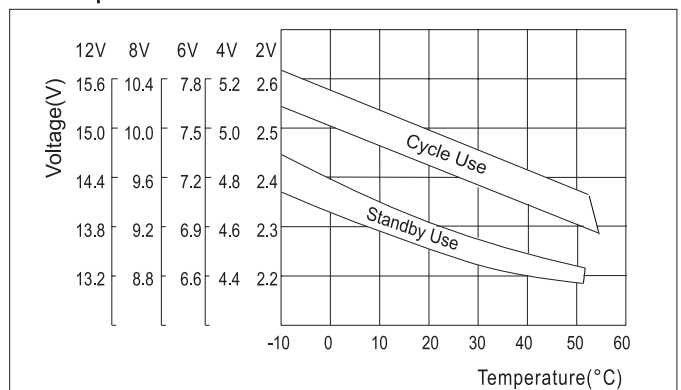
● Self-discharge Characteristics



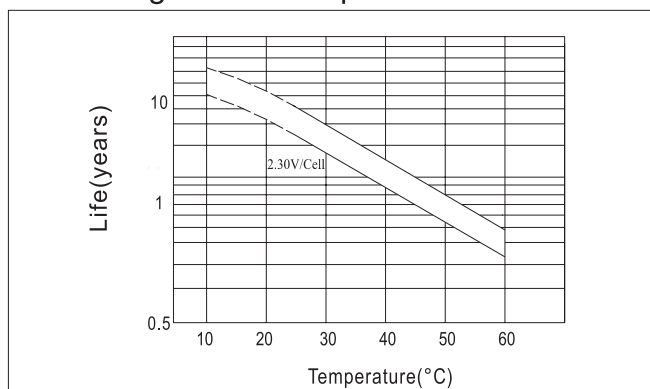
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

