



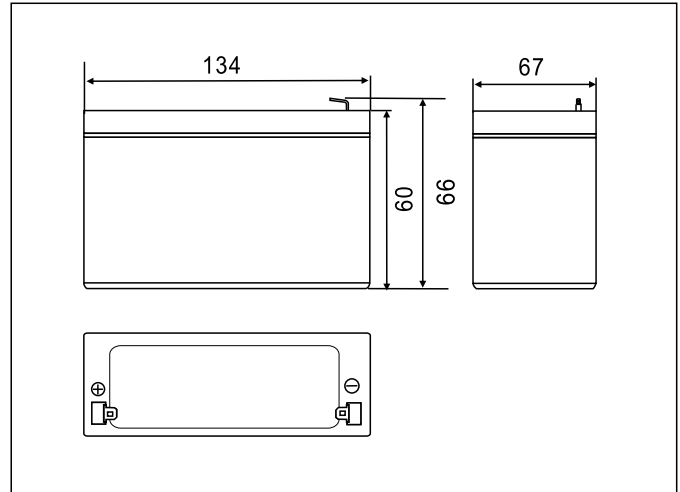
● Applications

- 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

● Specifications

Nominal Voltage		6V
Rated Capacity (20 hour rate)		3.2Ah
Dimensions	Total Height	66±2mm(2.60 inches)
	Height	60±2mm(2.36 inches)
	Length	134±2mm(5.28 inches)
	Width	34±2mm(1.34 inches)
Weight Approx		0.68kg(1.50 lbs)± 4%

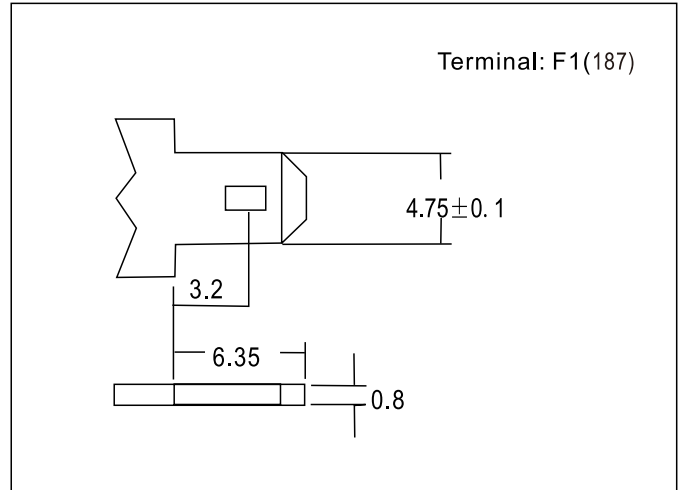
● Outer Dimensions (mm)



● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.16A)	3.2 AH
	10 hour rate(0.30A)	3.0 AH
	5 hour rate(0.54A)	2.7AH
	1hour rate(2.0A)	2.00 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	28m Ω
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 0.96 A Voltage 7.20-7.50V
	Float	Voltage 6.75-6.90V

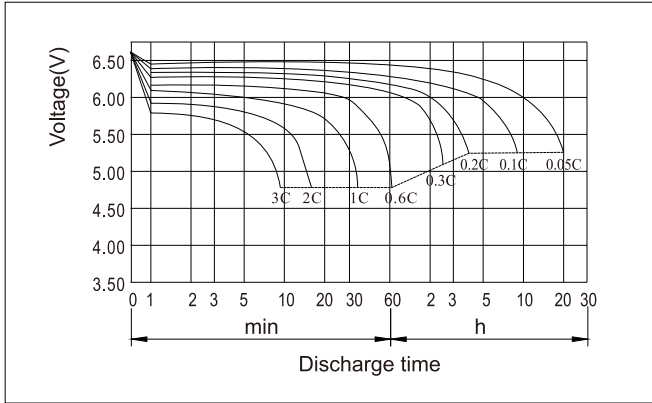
● Terminal Type (mm)



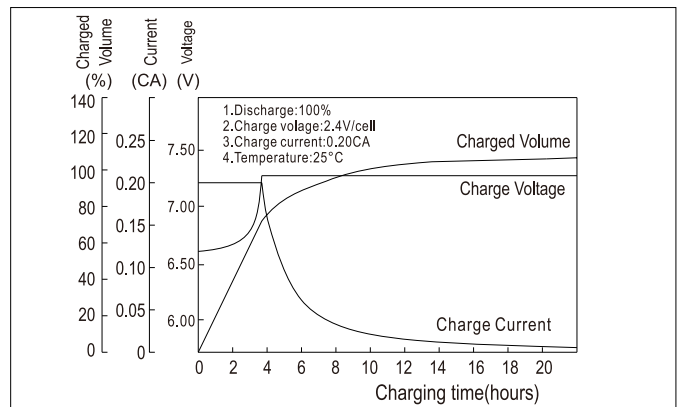
Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h	
4.80V	A	12.2	7.68	6.08	3.39	2.08	1.14	0.82	0.65	0.55	0.30	0.16
	w	67.9	43.3	34.7	19.4	12.0	6.65	4.85	3.89	3.31	1.81	0.97
4.95V	A	11.8	7.45	5.93	3.32	2.05	1.13	0.81	0.65	0.55	0.30	0.16
	w	65.8	42.0	33.8	19.0	11.9	6.61	4.82	3.86	3.29	1.81	0.97
5.10V	A	11.3	7.14	5.72	3.22	2.00	1.12	0.81	0.64	0.55	0.30	0.16
	w	63.1	40.3	32.6	18.5	11.6	6.55	4.79	3.84	3.27	1.80	0.97
5.25V	A	10.8	6.84	5.52	3.14	1.96	1.10	0.80	0.64	0.54	0.30	0.16
	w	60.4	38.6	31.5	18.0	11.3	6.45	4.75	3.81	3.25	1.79	0.96
5.40V	A	10.2	6.45	5.23	3.03	1.90	1.08	0.78	0.62	0.53	0.29	0.15
	w	57.0	36.4	29.8	17.4	11.0	6.29	4.61	3.70	3.15	1.75	0.94

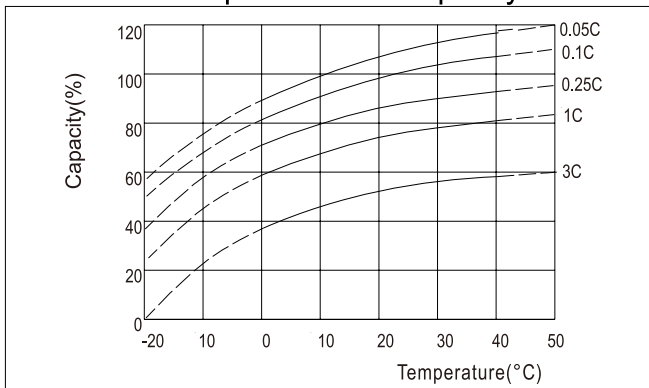
● Discharge Characteristics(25°C)



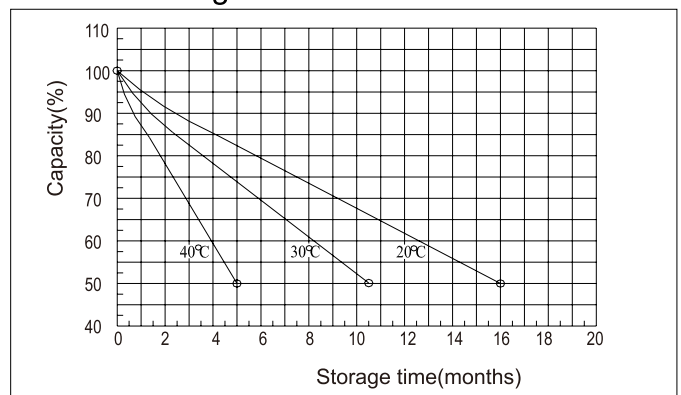
● Charging Characteristics(25°C)



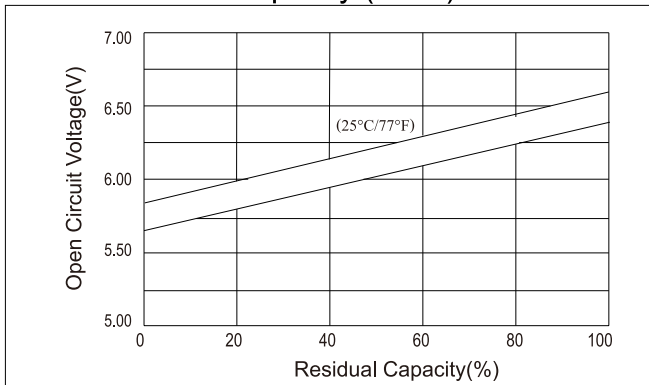
● Effect of Temperature on Capacity



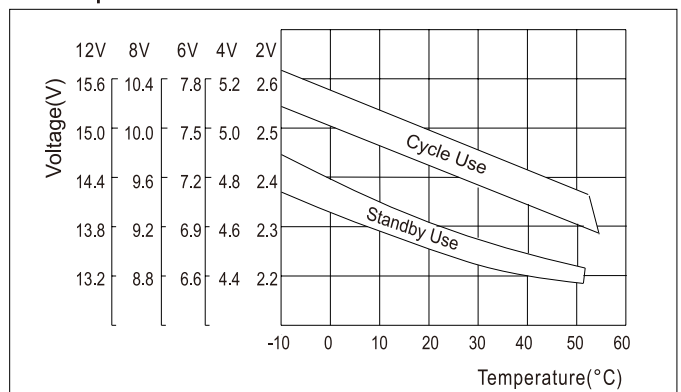
● Self-discharge Characteristics



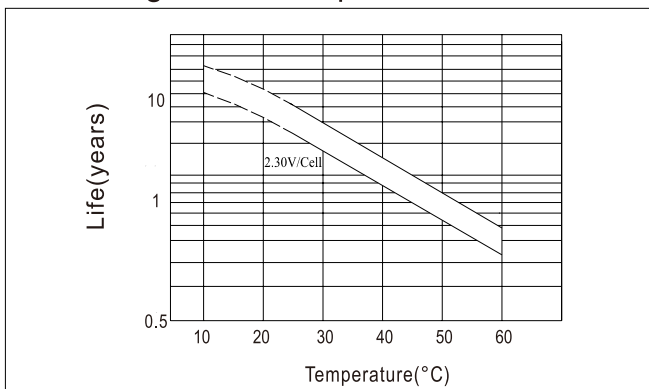
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

