



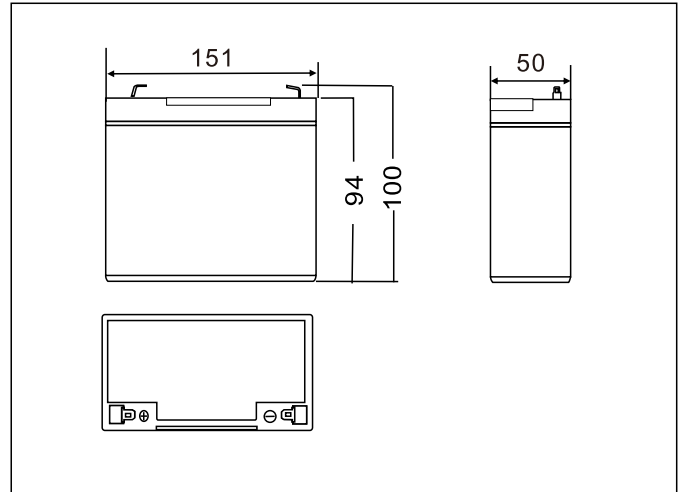
● Applications

- 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)		12Ah
Dimensions	Total Height	100±2mm(3.94 inches)
	Height	94±2mm(3.70 inches)
	Length	151±2mm(5.94 inches)
	Width	50±2mm(1.97 inches)
Weight Approx		1.72kg(3.80 lbs)± 4%

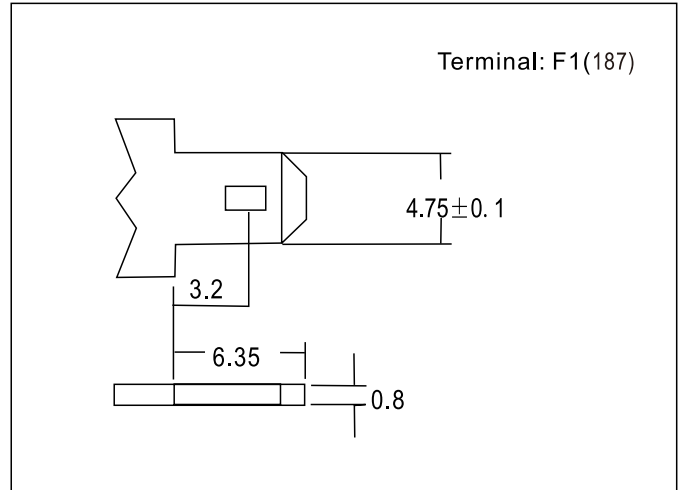
● Outer Dimensions (mm)



● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.60A)	12.0 AH
	10 hour rate(1.13A)	11.3 AH
	5 hour rate(2.08A)	10.4AH
	1hour rate(7.80A)	7.80 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	10m 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 3.6A Voltage 7.20-7.50V
	Float	Voltage 6.75-6.90V

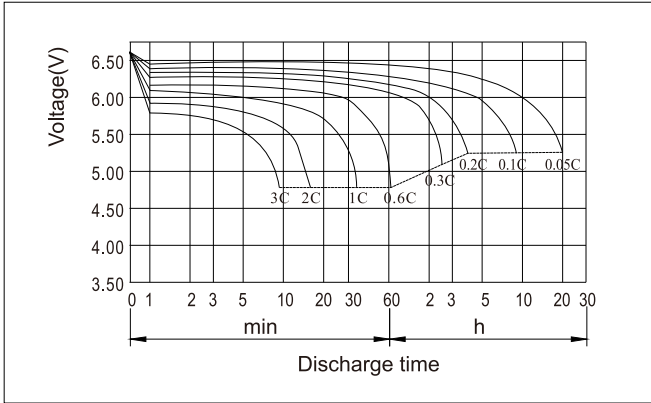
● Terminal Type (mm)



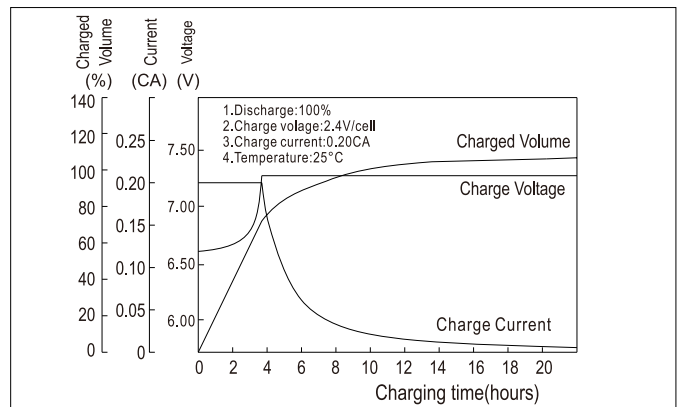
Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h	
4.80V	A	28.8	22.8	12.7	7.80	4.26	3.06	2.45	2.08	1.35	1.13	0.61
	w	162	130	72.9	45.2	24.9	18.2	14.6	12.4	8.08	6.80	3.65
4.95V	A	27.9	22.3	12.5	7.68	4.24	3.04	2.43	2.07	1.34	1.13	0.61
	w	158	127	71.4	44.5	24.8	18.1	14.5	12.3	8.03	6.77	3.64
5.10V	A	26.8	21.4	12.1	7.49	4.20	3.02	2.42	2.05	1.33	1.12	0.60
	w	151	122	69.2	43.4	24.6	17.9	14.4	12.3	7.98	6.74	3.62
5.25V	A	25.6	20.7	11.8	7.34	4.14	3.00	2.40	2.04	1.32	1.12	0.60
	w	145	118	67.6	42.5	24.2	17.8	14.3	12.2	7.92	6.70	3.60
5.40V	A	24.2	19.6	11.4	7.11	4.03	2.91	2.33	1.98	1.28	1.09	0.59
	w	136	112	65.1	41.2	23.6	17.3	13.9	11.8	7.68	6.56	3.53

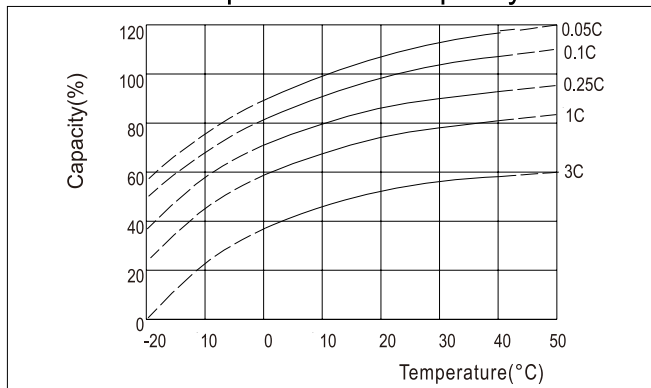
● Discharge Characteristics(25°C)



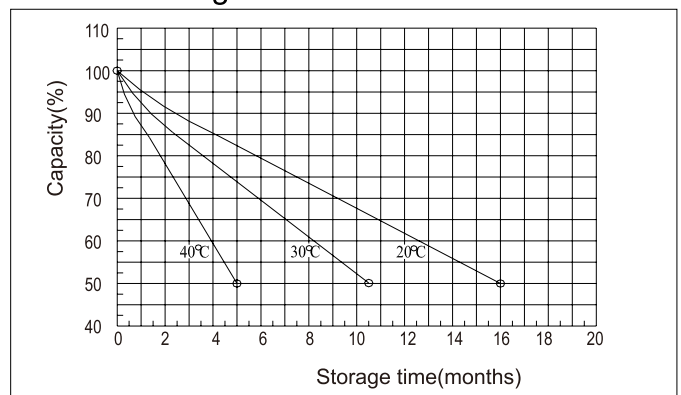
● Charging Characteristics(25°C)



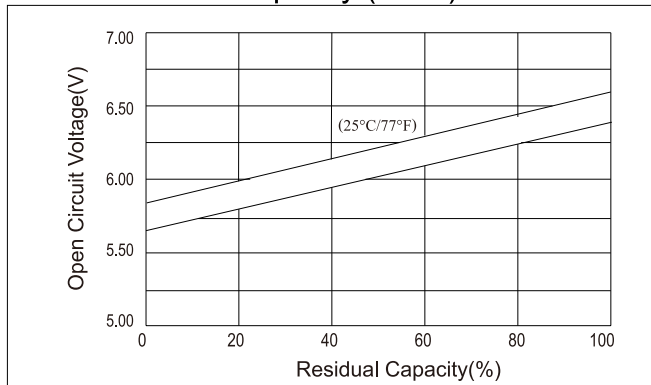
● Effect of Temperature on Capacity



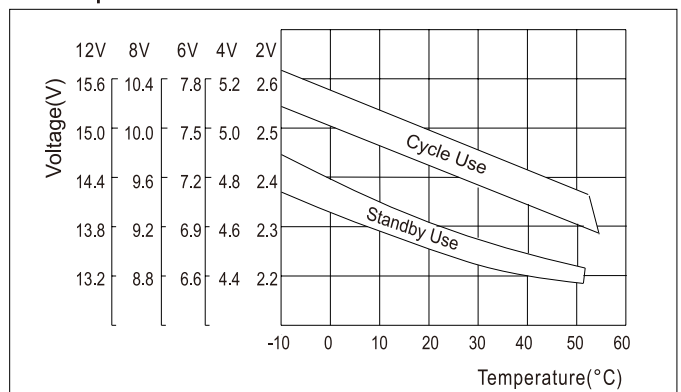
● Self-discharge Characteristics



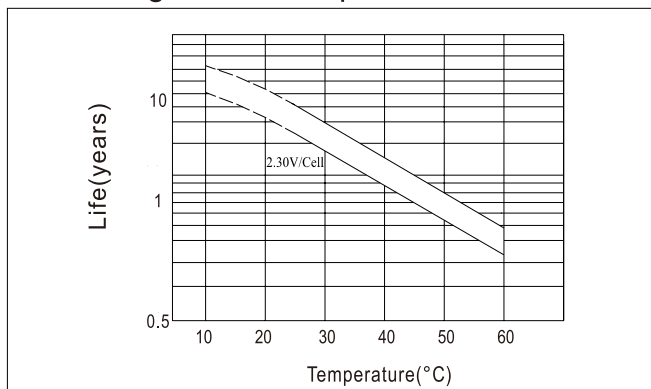
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

