



● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		100Ah
Dimensions	Total Height	208±2mm(8.19 inches)
	Height	205±2mm(8.07 inches)
	Length	171±2mm(6.73 inches)
	Width	72±1mm(2.83 inches)
Weight Approx		5kg(11.04 lbs)±4%

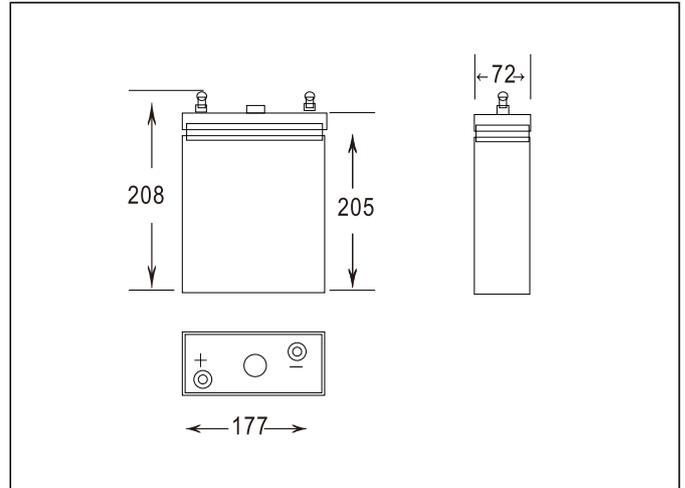
● Characteristics

Capacity 25°C(77°F)	10 hour rate(10A) 5 hour rate(18A) 1 hour rate(60A)	100 AH 90 AH 60AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.8mΩ
Capacity affected by Temperature (10hour 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 20 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

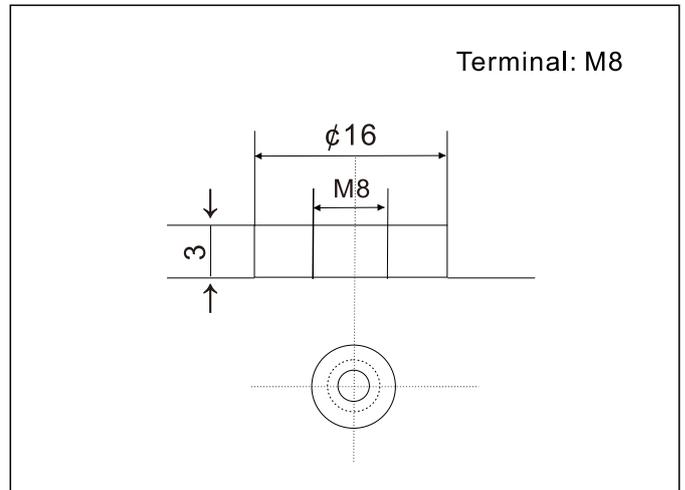
● Applications

- Cable Television
- Computers
- Wind power systems
- Electronic instruments
- Medical equipment
- Alarm and security systems
- Electric power system
- Solar power systems
- Telecommunication equipments
- Uninterruptible power supplies

● Outer Dimensions (mm)



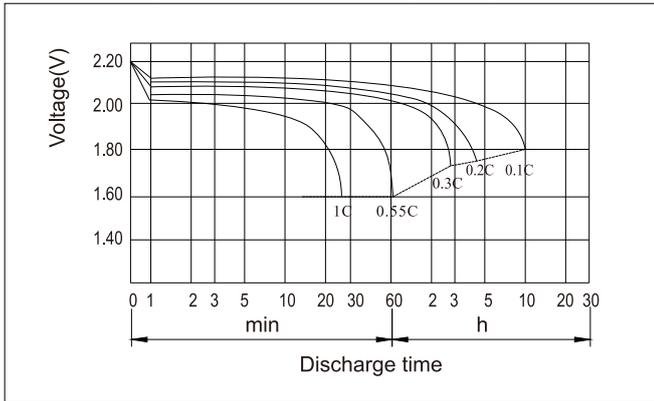
● Terminal Type (mm)



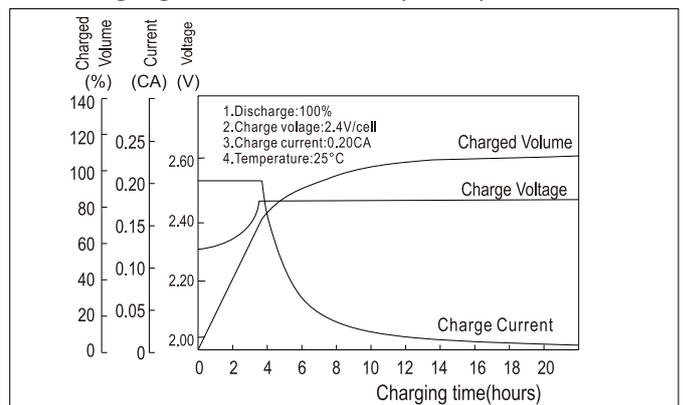
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	A	135	90.0	60.0	36.5	26.0	20.9	18.2	15.6	12.2	5.34
	W	247	168	114	70.5	51.0	41.0	35.8	30.7	24.4	10.7
1.65V	A	132	88.2	59.1	36.3	25.9	20.8	18.0	15.5	12.2	5.33
	W	241	165	112	70.1	50.7	40.7	35.6	30.6	24.2	10.7
1.70V	A	127	85.5	57.6	36.0	25.7	20.6	17.9	15.4	12.1	5.32
	W	232	160	109	69.5	50.3	40.5	35.3	30.4	24.0	10.6
1.75V	A	123	83.4	56.5	35.5	25.5	20.5	17.8	15.3	12.0	5.29
	W	224	156	107	68.4	50.0	40.2	35.1	30.1	23.9	10.6
1.80V	A	116	80.4	54.7	34.6	24.7	19.9	17.3	14.8	11.6	5.25
	W	212	150	104	66.7	48.5	39.0	34.0	29.2	23.2	10.5

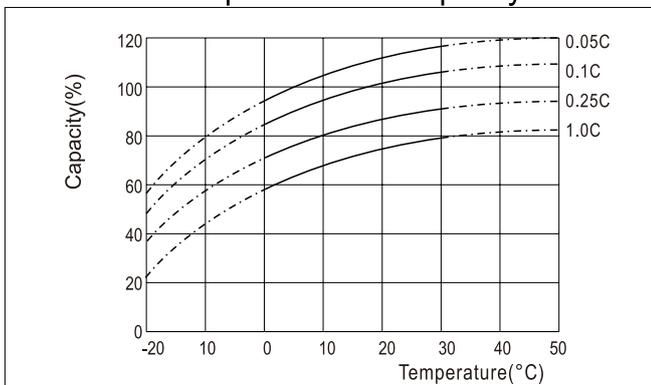
● Discharge Characteristics(25°C)



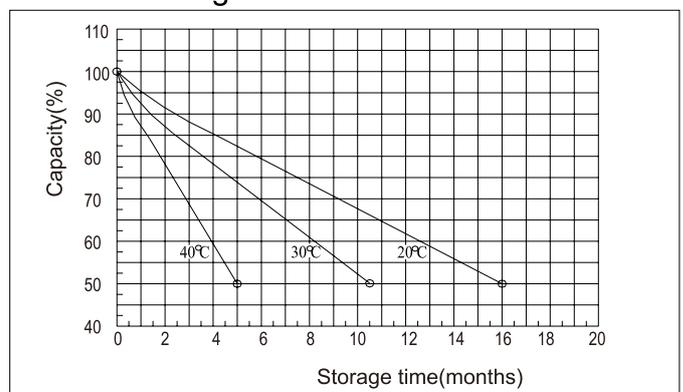
● Charging Characteristics(25°C)



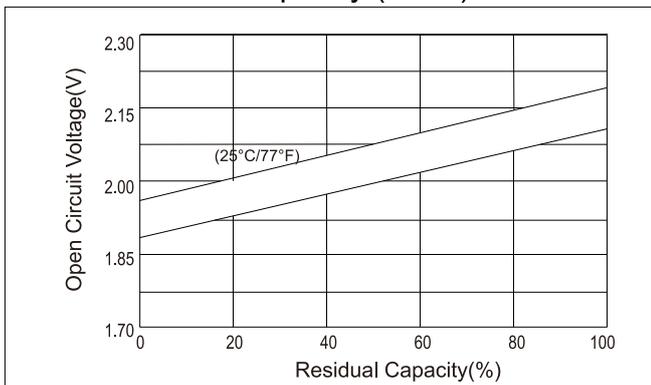
● Effect of Temperature on Capacity



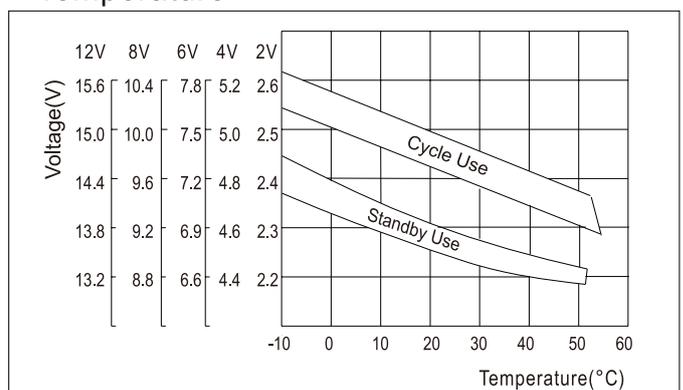
● Self-discharge Characteristics



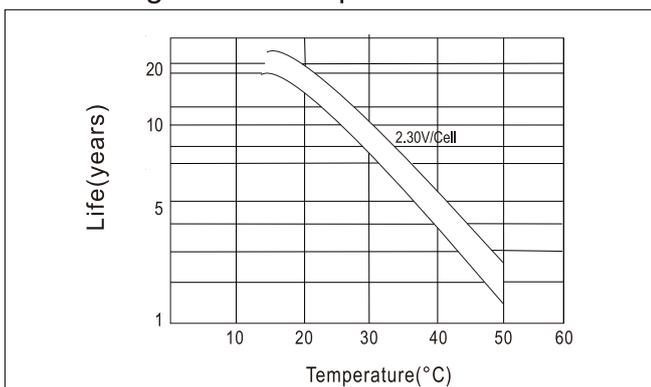
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

