



### ● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		200Ah
Dimensions	Total Height	364±2mm(14.3 inches)
	Height	330±2mm(13.00 inches)
	Length	171±2mm(6.73 inches)
	Width	110±2mm(4.34 inches)
Weight Approx		12kg(26.49 lbs)±4%

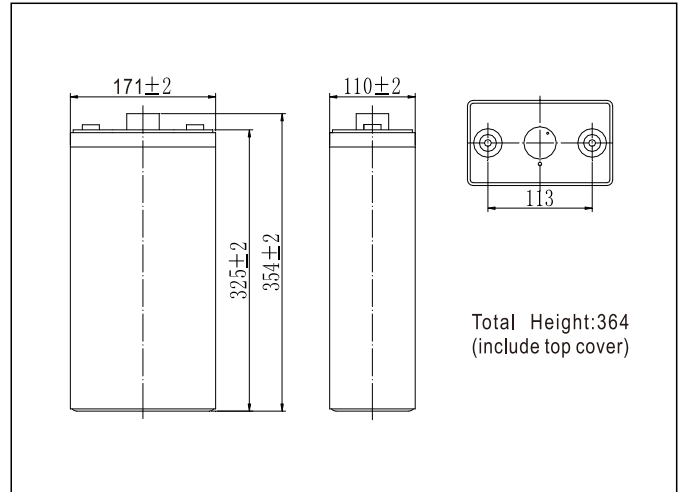
### ● Characteristics

Capacity 25°C(77°F)	10 hour rate(20A) 5 hour rate(36A) 1hour rate(120A)	200 AH 180 AH 120AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.9mΩ
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 40 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

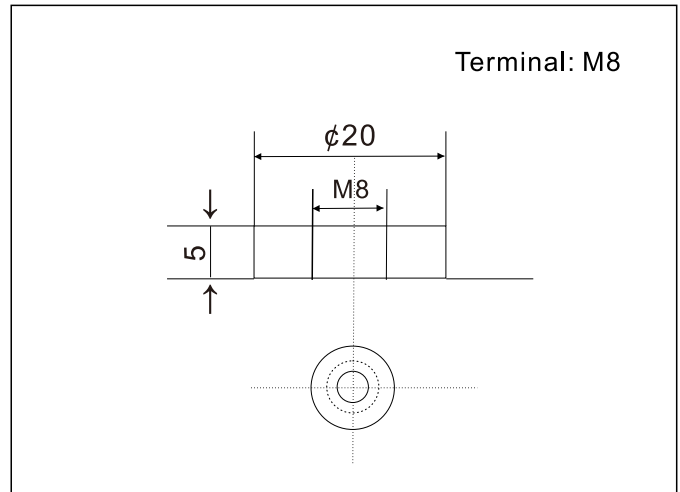
### ● Applications

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

### ● Outer Dimensions (mm)



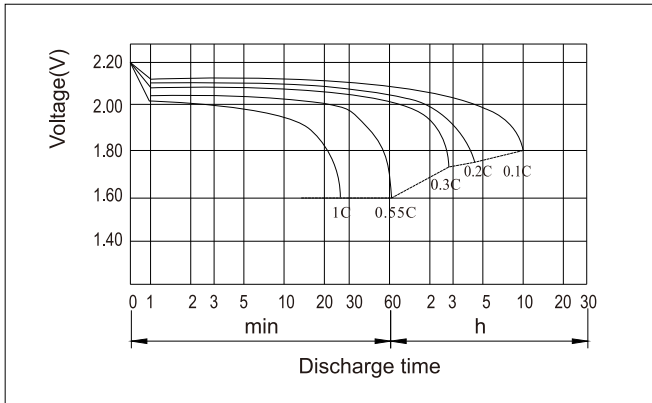
### ● Terminal Type (mm)



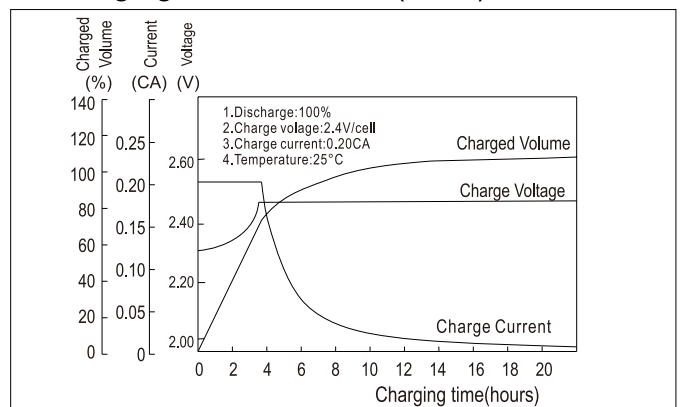
### Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	A	180	120	73.1	52.0	41.8	36.3	31.2	24.5	20.4	10.7	9.26
	W	337	228	141	102	82.0	71.5	61.5	48.7	40.5	21.4	18.6
1.65V	A	176	118	72.6	51.7	41.6	36.1	31.0	24.3	20.3	10.7	9.25
	W	330	225	140	101	81.5	61.1	61.1	48.4	40.4	21.3	18.6
1.70V	A	171	115	72.0	51.4	41.3	35.8	30.8	24.2	20.3	10.6	9.22
	W	320	219	139	101	80.9	70.6	60.7	48.1	40.3	21.3	18.5
1.75V	A	167	113	70.9	51.0	41.0	35.6	30.6	24.0	20.1	10.6	9.16
	W	312	215	137	100	80.4	70.1	60.3	47.8	40.1	21.1	18.4
1.80V	A	161	109	69.1	49.5	39.8	34.5	29.7	23.3	20.0	10.5	9.10
	W	301	208	133	97.0	77.9	68.0	58.5	46.3	39.8	21.0	18.3

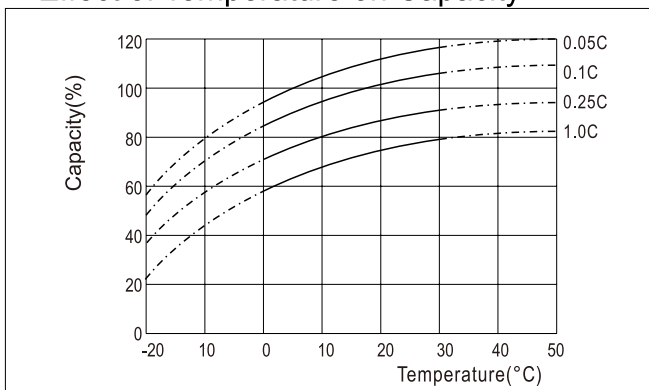
● Discharge Characteristics(25°C)



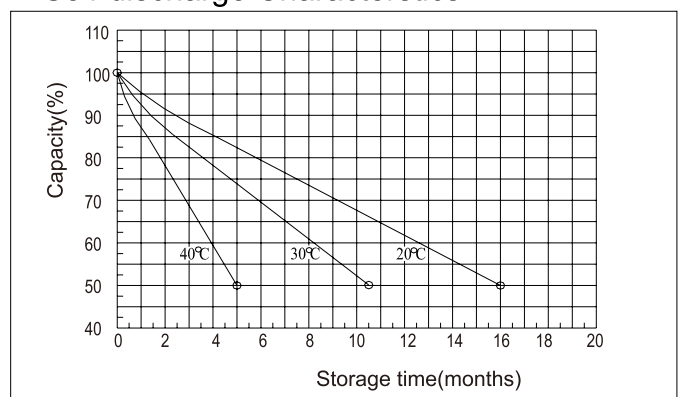
● Charging Characteristics(25°C)



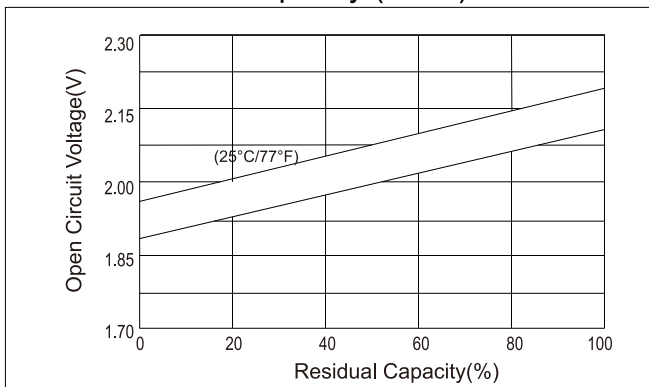
● Effect of Temperature on Capacity



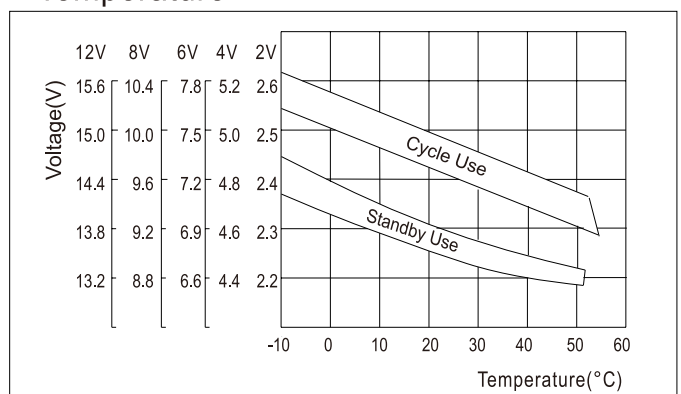
● Self-discharge Characteristics



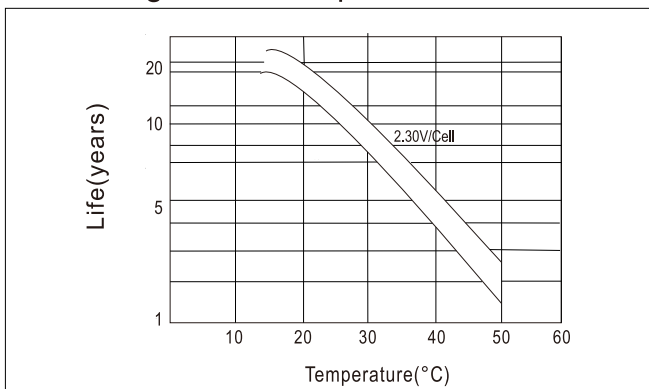
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

