



### ● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		500Ah
Dimensions	Total Height	365±2mm(14.38 inches)
	Height	354±2mm(13.94 inches)
	Length	241±2mm(9.46 inches)
	Width	172±2mm(6.77 inches)
Weight Approx		27.5kg(60.68 lbs)±4%

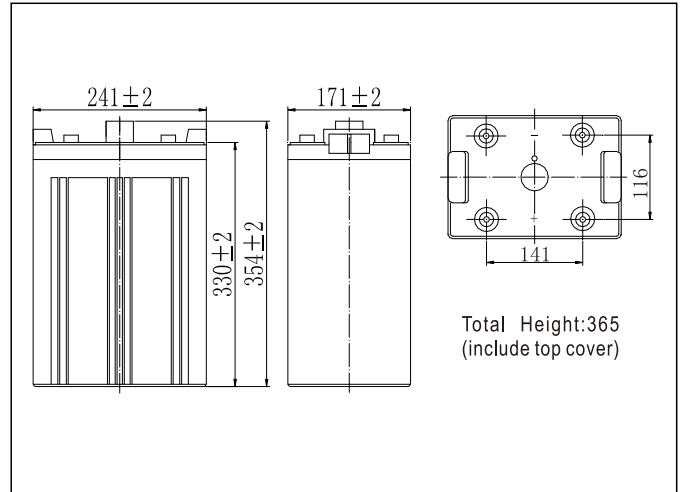
### ● Characteristics

Capacity 25°C(77°F)	10 hour rate(50A) 5 hour rate(90A) 1hour rate(300A)	500 AH 450 AH 300AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.5m Ω
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 100 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

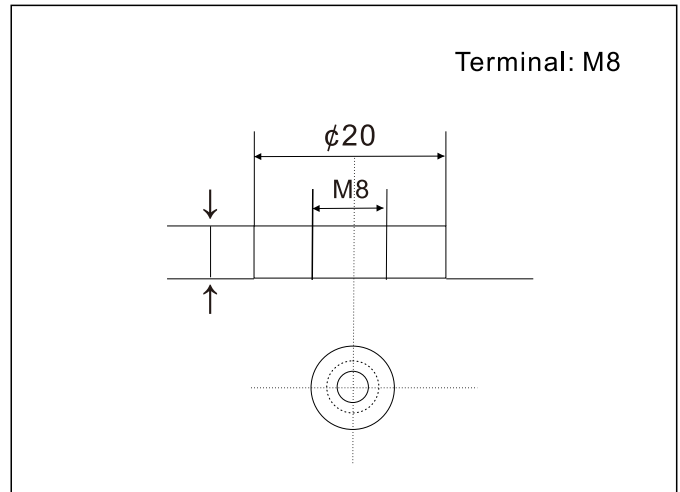
### ● Applications

- 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)



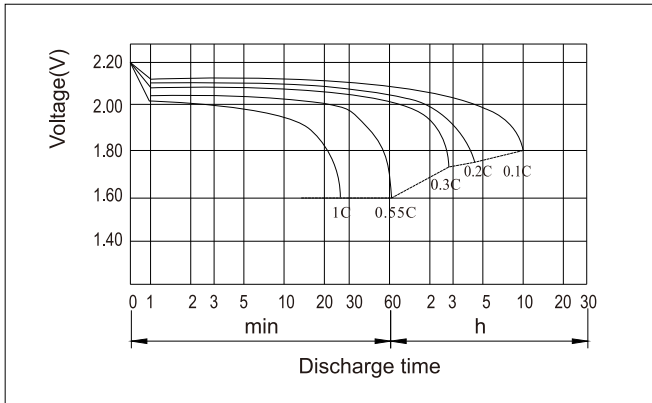
### ● Terminal Type (mm)



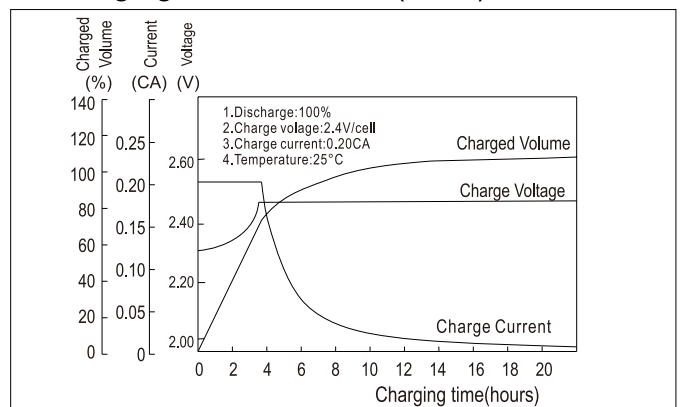
### Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	A	450	300	183	130	105	90.8	78.0	61.2	50.9	26.7	23.2
	W	842	570	353	255	205	179	154	122	101	53.4	46.6
1.65V	A	441	296	182	129	104	90.2	77.6	60.8	50.8	26.7	23.1
	W	825	561	351	253	204	178	153	121	101	53.3	46.5
1.70V	A	428	288	180	128	103	89.6	77.0	60.4	50.7	26.6	23.0
	W	799	547	347	252	202	177	152	120	101	53.2	46.3
1.75V	A	417	282	177	128	103	89.0	76.5	60.0	50.4	26.4	22.9
	W	780	536	342	250	201	175	151	119	100	52.9	46.0
1.80V	A	402	274	173	124	99.4	86.3	74.2	58.2	50.0	26.3	22.8
	W	751	520	334	242	195	170	146	116	99.5	52.5	45.7

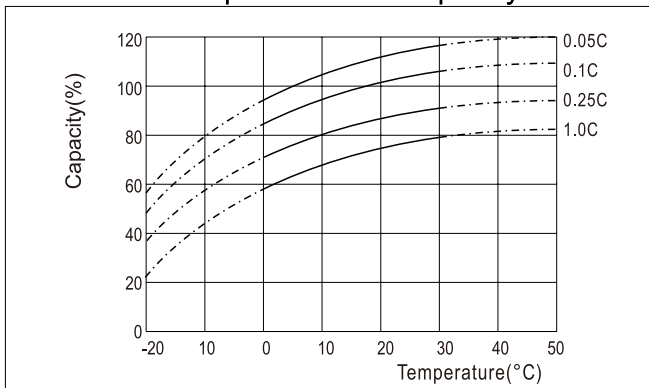
● Discharge Characteristics(25°C)



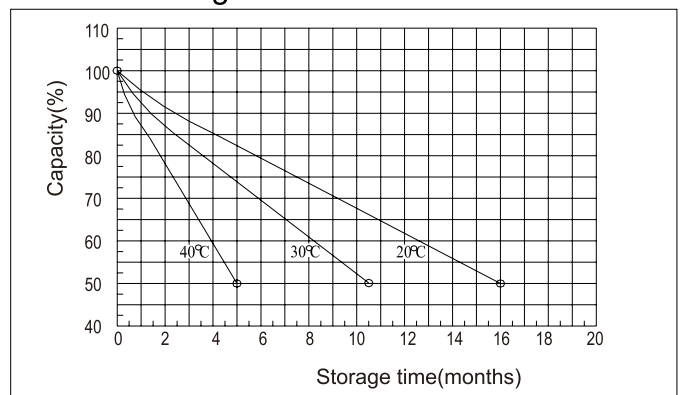
● Charging Characteristics(25°C)



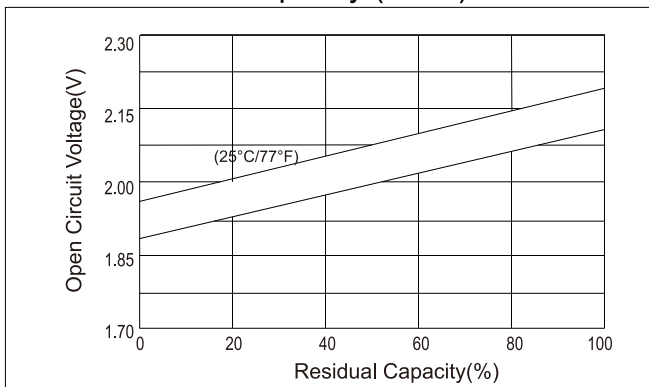
● Effect of Temperature on Capacity



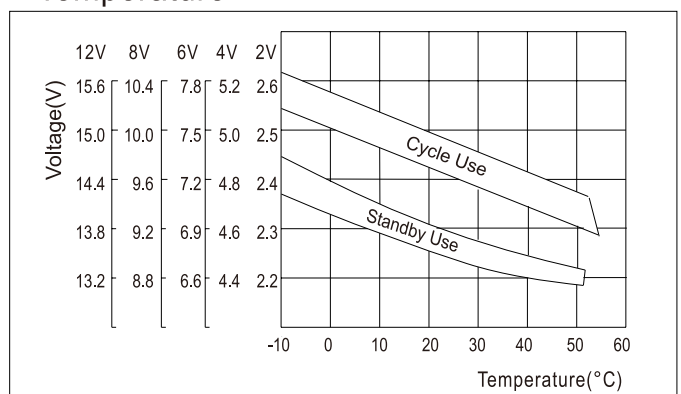
● Self-discharge Characteristics



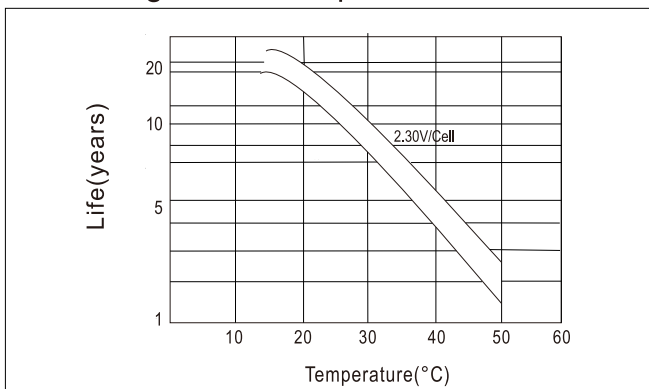
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

