



● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		1000Ah
Dimensions	Total Height	367±2mm(14.46 inches)
	Height	330±2mm(13.00 inches)
	Length	475±2mm(18.7 inches)
	Width	175±2mm(6.89 inches)
Weight Approx		57.5kg(126.79 lbs)±4%

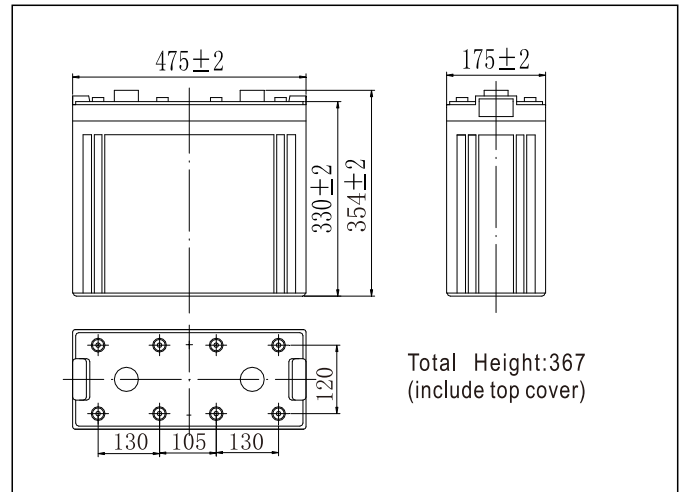
● Characteristics

Capacity 25°C(77°F)	10 hour rate(100A) 5 hour rate(160A) 1hour rate(600A)	1000 AH 800 AH 600AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.28mΩ
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 200 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

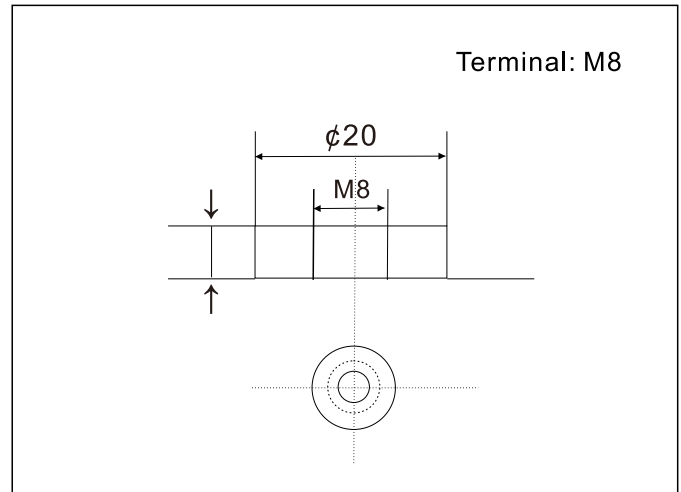
● Applications

- 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)



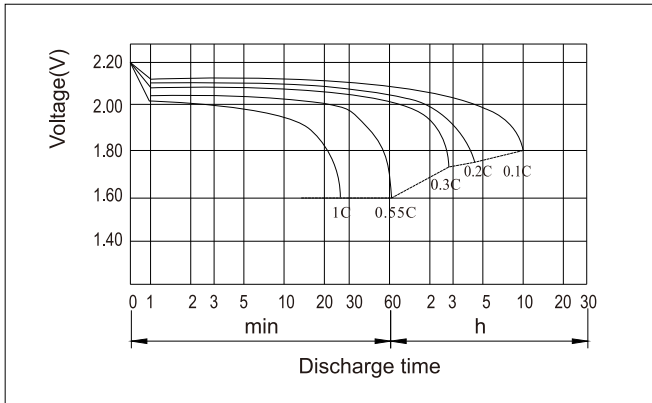
● Terminal Type (mm)



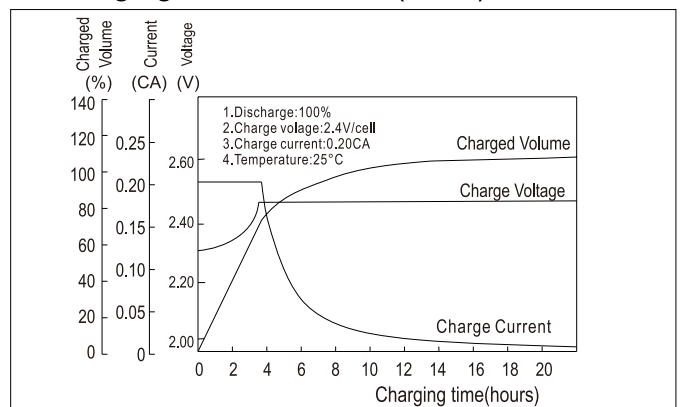
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	A	900	600	365	260	209	182	156	122	102	53.4	46.3
	W	1683	1140	705	510	410	358	307	244	203	107	93.1
1.65V	A	882	591	363	259	208	180	155	122	102	53.3	46.2
	W	1649	1123	701	507	407	356	306	242	202	107	92.9
1.70V	A	855	576	360	257	206	179	154	121	101	53.2	46.1
	W	1599	1094	695	503	405	353	304	240	202	106	92.6
1.75V	A	834	565	355	255	205	178	153	120	101	52.9	45.8
	W	1560	1073	684	500	402	351	301	239	200	106	92.1
1.80V	A	804	547	346	247	199	173	148	116	100	52.5	45.5
	W	1503	1040	667	485	390	340	292	232	199	105	91.5

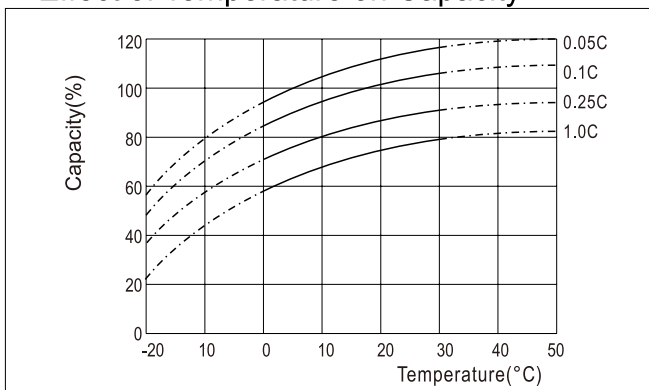
● Discharge Characteristics(25°C)



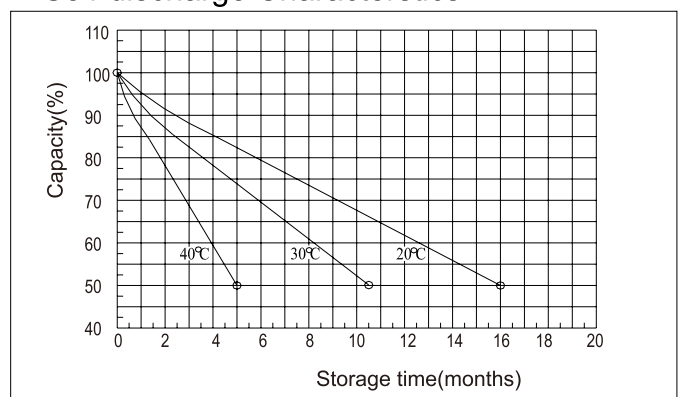
● Charging Characteristics(25°C)



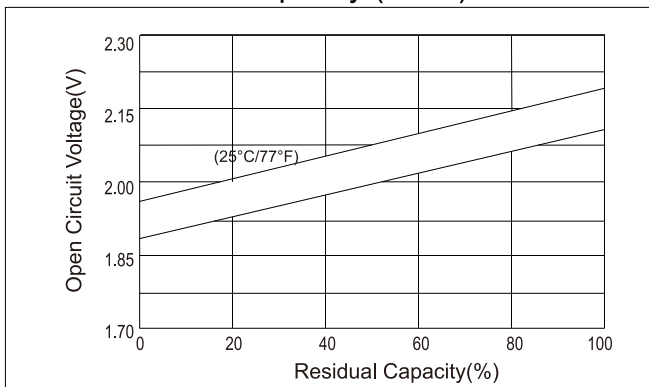
● Effect of Temperature on Capacity



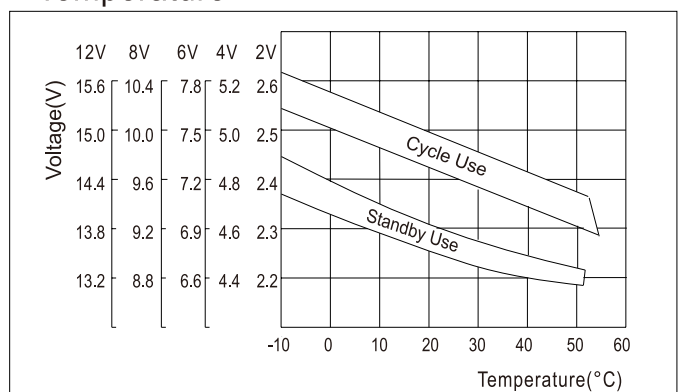
● Self-discharge Characteristics



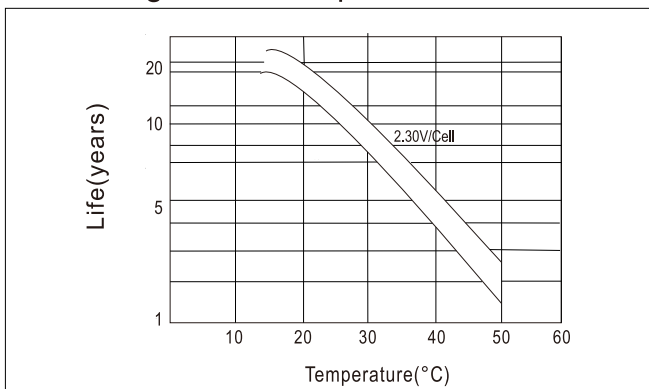
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

