



● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		3000Ah
Dimensions	Total Height	382±2mm(15.41 inches)
	Height	345±2mm(13.64 inches)
	Length	710±2mm(28.06 inches)
	Width	350±2mm(13.79 inches)
Weight Approx		180kg(396.82lbs)±4%

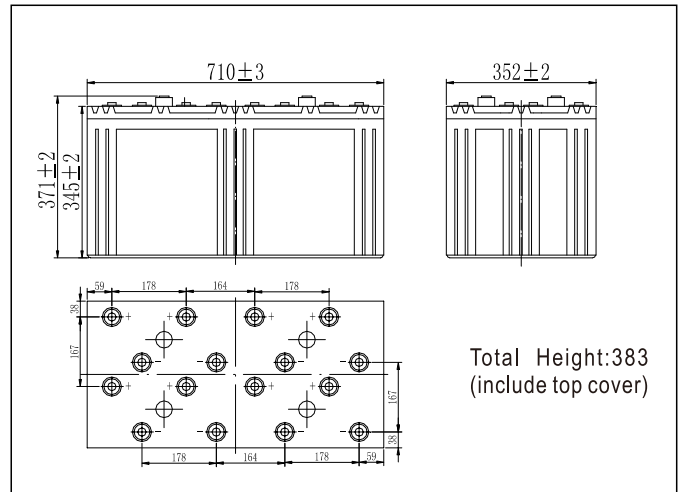
● Characteristics

Capacity 25°C(77°F)	10 hour rate(300A) 5 hour rate(540A) 1 hour rate(1800A)	3000 AH 2700 AH 1800AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.11m 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 400 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

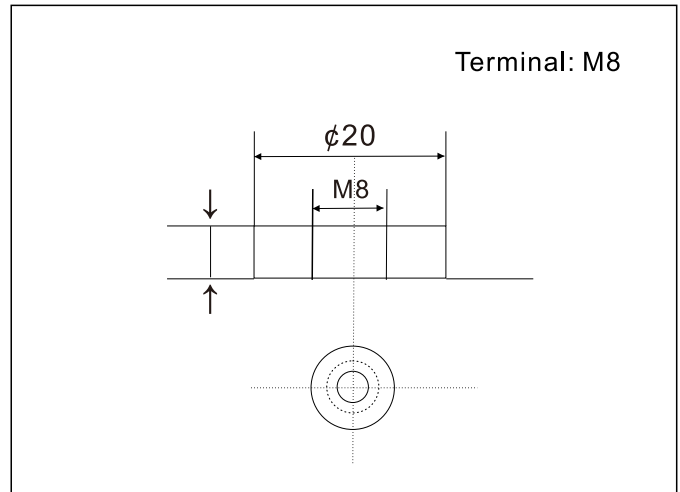
● Applications

- 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)



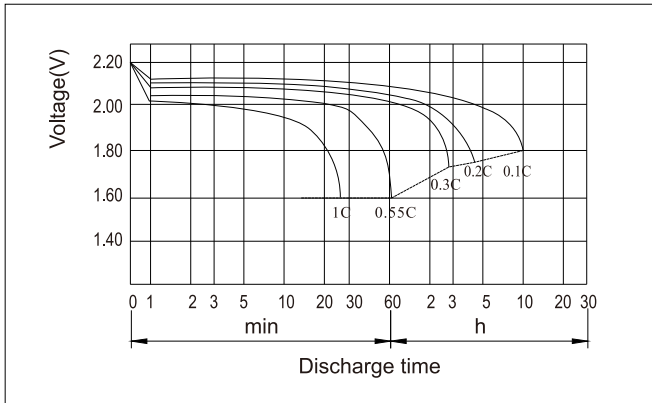
● Terminal Type (mm)



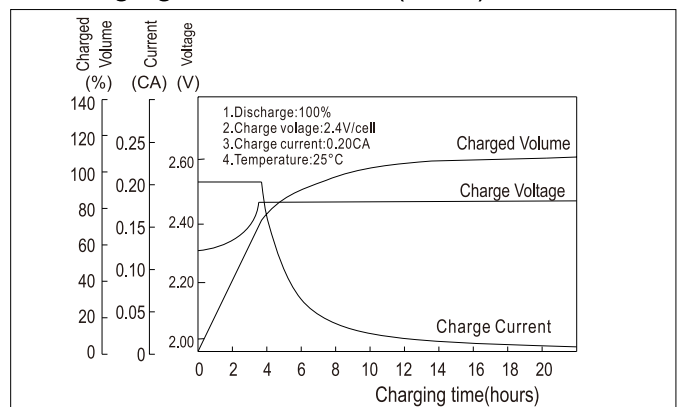
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	A	2700	1800	1096	780	627	545	468	367	305	160	139
	W	5049	3420	2116	1529	1230	1073	922	731	608	321	279
1.65V	A	2646	1773	1090	776	624	541	465	365	305	160	139
	W	4948	3283	2103	1520	1222	1067	917	726	607	320	279
1.70V	A	2565	1728	1080	770	619	538	462	363	304	160	138
	W	4797	3283	2084	1510	1214	1059	911	721	605	319	278
1.75V	A	2503	1694	1064	765	615	534	459	360	301	159	137
	W	4680	3218	2053	1499	1205	1052	904	716	601	317	276
1.80V	A	2411	1642	1037	742	597	518	445	349	300	158	137
	W	4509	3119	2001	1454	1169	1020	877	695	597	315	274

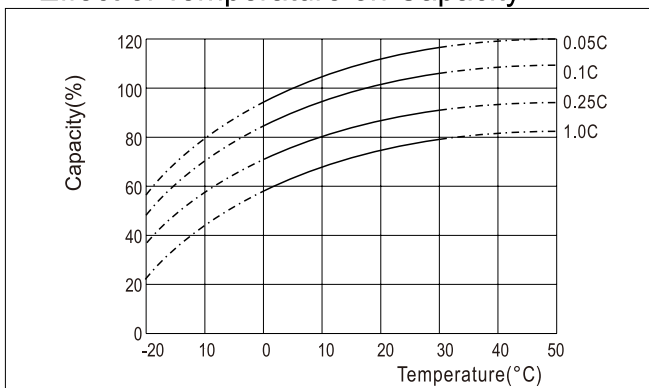
● Discharge Characteristics(25°C)



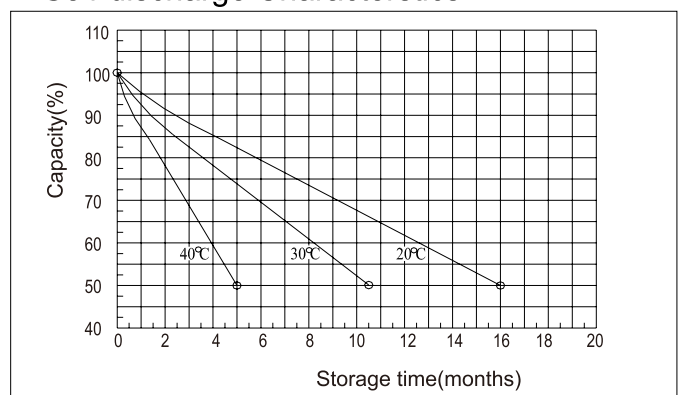
● Charging Characteristics(25°C)



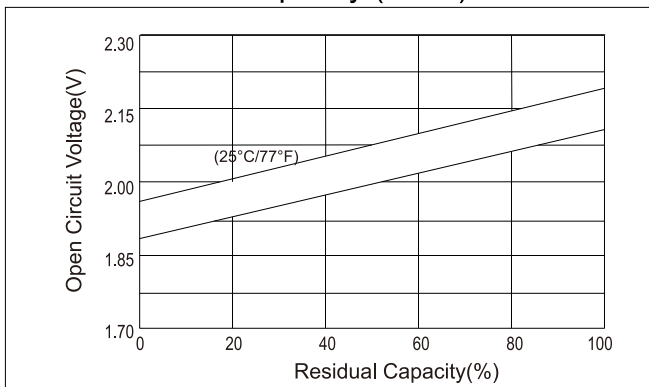
● Effect of Temperature on Capacity



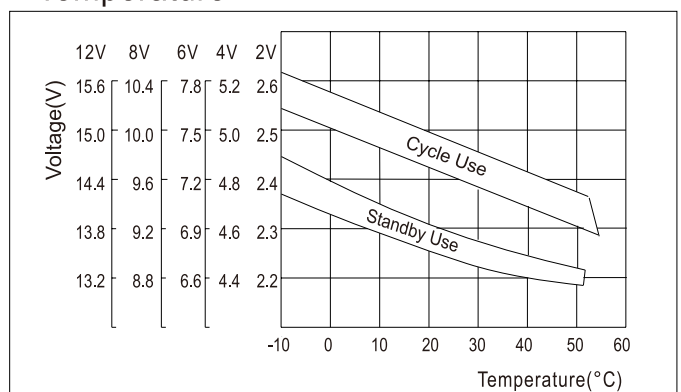
● Self-discharge Characteristics



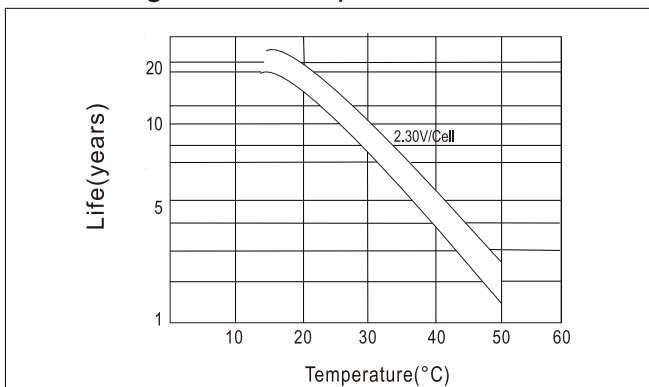
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

