



● Specifications

Nominal Voltage		2V
Rated Capacity (10 hour rate)		800Ah
Dimensions	Total Height	367±2mm(14.46 inches)
	Height	330±2mm(13.00 inches)
	Length	410±2mm(16.14 inches)
	Width	175±2mm(6.89 inches)
Weight Approx		46.5kg(102.58 lbs)±4%

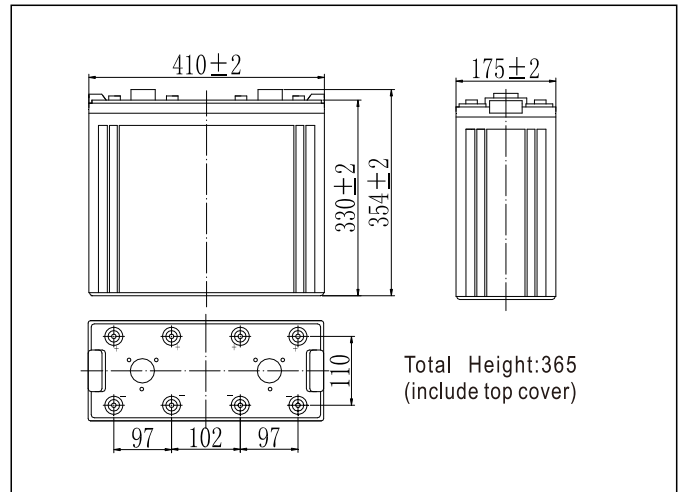
● Characteristics

Capacity 25°C(77°F)	10 hour rate(80A) 5 hour rate(145A) 1hour rate(480A)	800 AH 725AH 480AH
Internal Resistance	Full charged Battery at 25°C(77°F)	0.35mΩ
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 160 A Voltage 2.40-2.45V
	Float	Voltage 2.25-2.30V

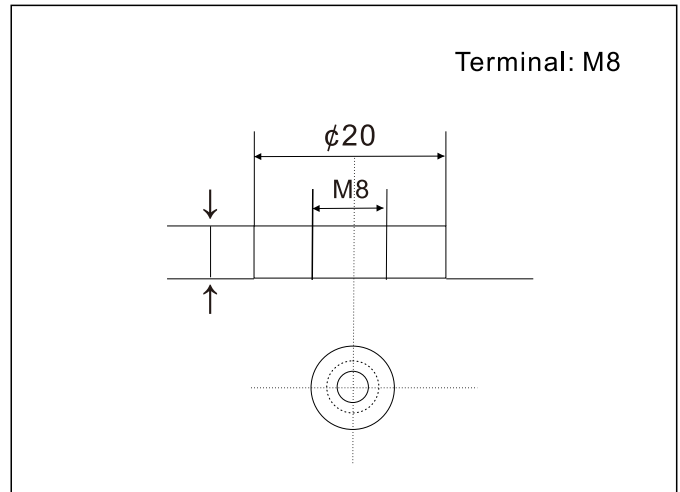
● Applications

- 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)



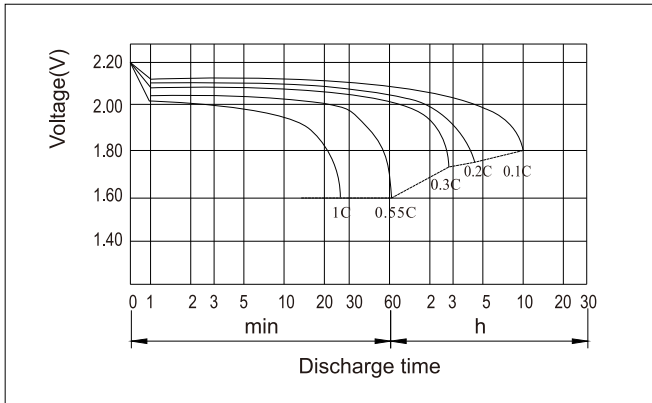
● Terminal Type (mm)



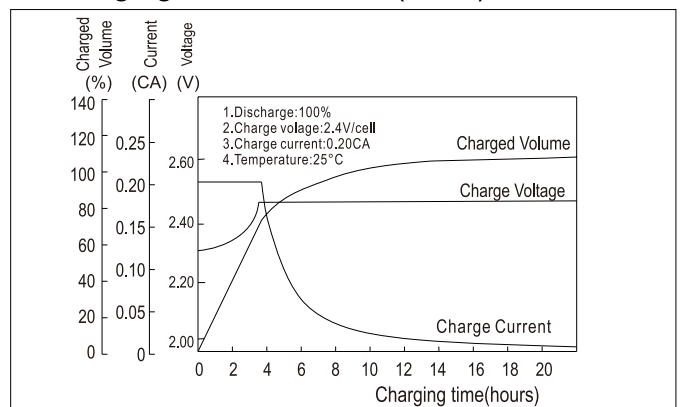
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.60V	A	720	480	292	208	167	145	125	97.9	81.4	42.8	37.1
	W	1346	912	564	408	328	286	246	195	162	85.5	74.5
1.65V	A	706	473	291	207	166	144	124	97.3	81.3	42.7	37.0
	W	1319	898	561	405	326	284	245	194	162	85.3	74.3
1.70V	A	684	461	288	205	165	143	123	96.7	81.0	42.5	36.9
	W	1279	876	556	403	324	282	243	192	161	85.1	74.1
1.75V	A	667	452	284	204	164	142	122	96.0	80.6	42.3	36.7
	W	1248	858	548	400	321	281	241	191	160	84.6	73.7
1.80V	A	643	438	276	198	159	138	119	93.1	80.0	42.0	36.4
	W	1202	832	534	388	312	272	234	185	159	84.0	73.2

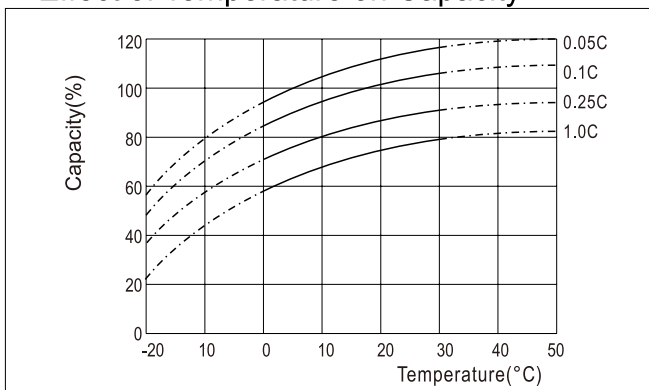
● Discharge Characteristics(25°C)



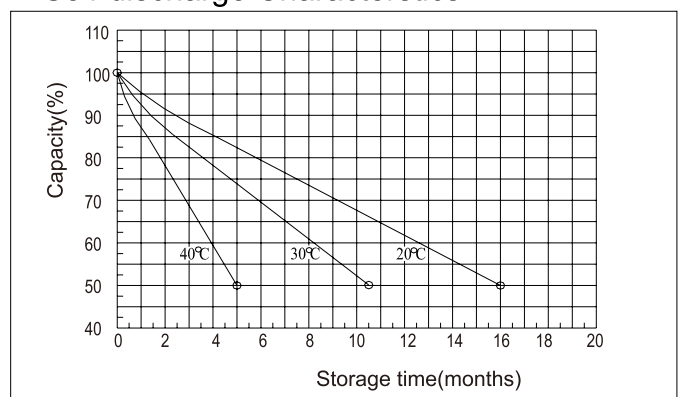
● Charging Characteristics(25°C)



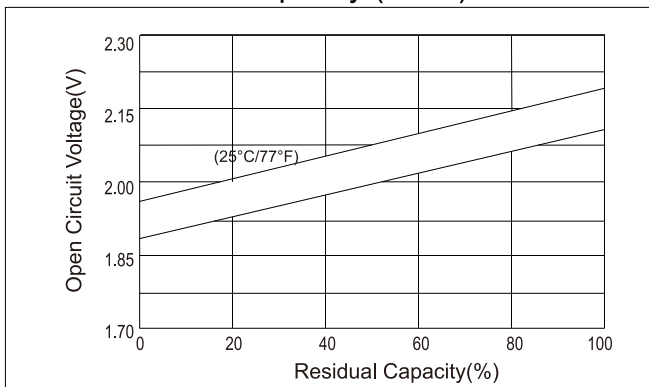
● Effect of Temperature on Capacity



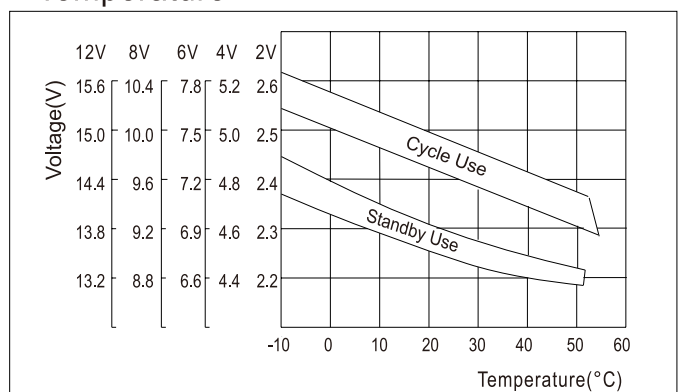
● Self-discharge Characteristics



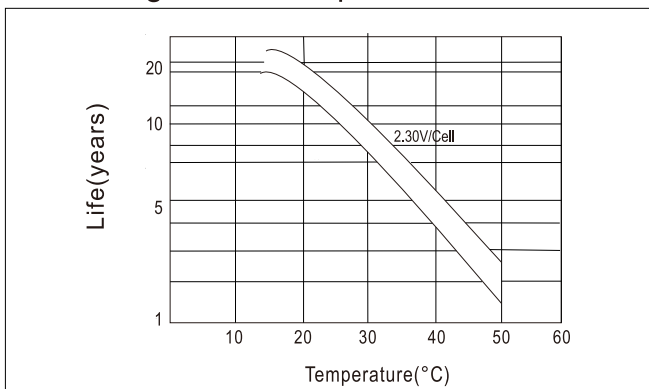
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

