



Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		100Ah
Dimensions	Total Height	218±2mm(8.58inches)
	Height	214±2mm(8.43 inches)
	Length	330±2mm(13.0 inches)
	Width	171±2mm(6.73 inches)
Weight Approx		28.5kg(59.99 lbs)±4%

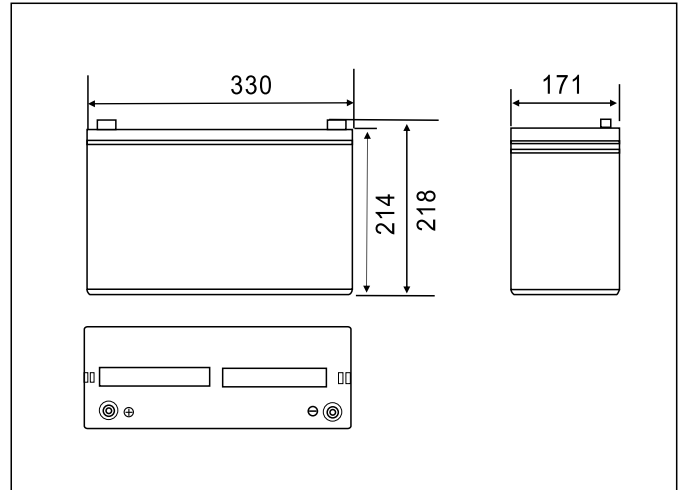
Characteristics

Capacity 25°C(77°F)	10 hour rate(10A) 5 hour rate(17A) 1 hour rate(62A)	100 AH 85 AH 62AH
Internal Resistance	Full charged Battery at 25°C(77°F)	3m 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 25 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

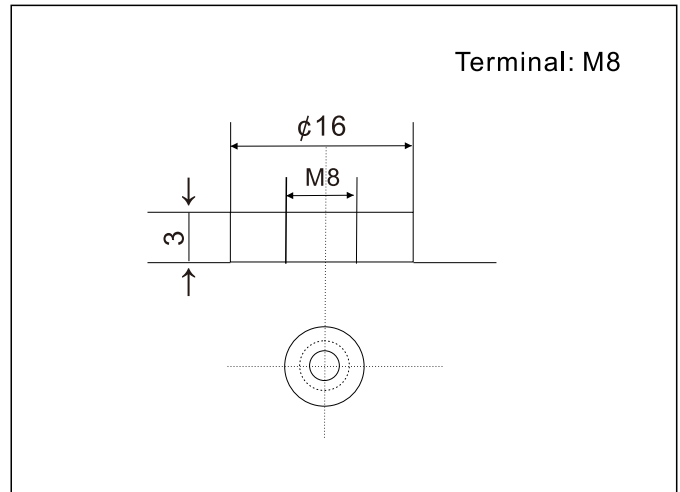
Applications

- Electric tools
- Electric toys
- Emergency lighting
- Electronic instruments
- Medical equipment
- Alarm and security systems
- Solar power systems
- Wind power systems
- Telecommunication equipments
- Uninterruptible power supplies

Outer Dimensions (mm)



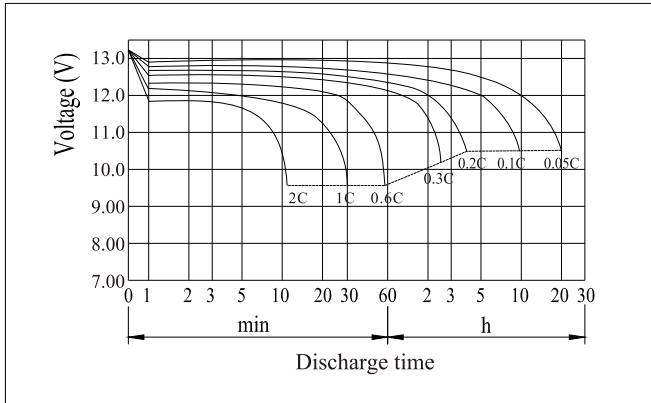
Terminal Type (mm)



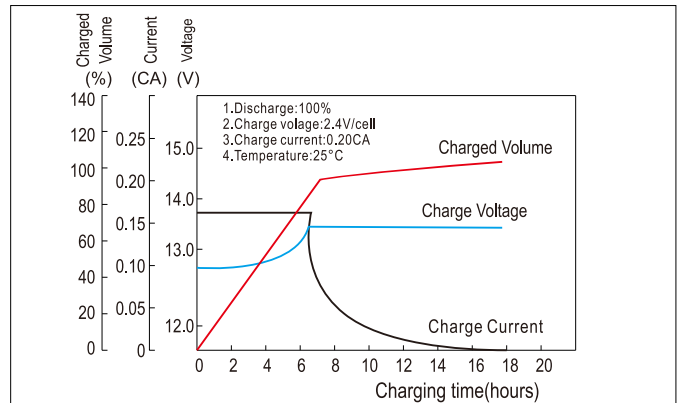
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	A	135	93.2	58.2	34.0	24.0	18.9	15.8	13.5	10.5	9.37	5.11	—	—
	w	1507	1062	670	396	283	223	188	160	125	112	61.6	—	—
9.90V	A	132	91.3	57.3	33.8	23.8	18.8	15.7	13.4	10.4	9.35	5.10	—	—
	w	1470	1041	660	393	282	222	187	159	125	112	61.5	—	—
10.20V	A	127	88.5	55.9	33.5	23.7	18.6	15.6	13.3	10.4	9.32	5.06	2.23	—
	w	1416	1009	644	390	280	220	185	158	124	112	61.3	26.8	—
10.50V	A	123	86.4	54.8	33.0	23.5	18.5	15.5	13.2	10.3	9.26	5.00	2.22	0.92
	w	1368	985	631	384	278	219	184	157	123	111	60.3	26.6	11.1
10.80V	A	116	83.2	53.1	32.2	22.8	17.9	15.0	12.8	9.99	9.20	5.00	2.22	0.92
	w	1296	949	611	374	269	212	179	152	119	110	60.5	26.6	11.0

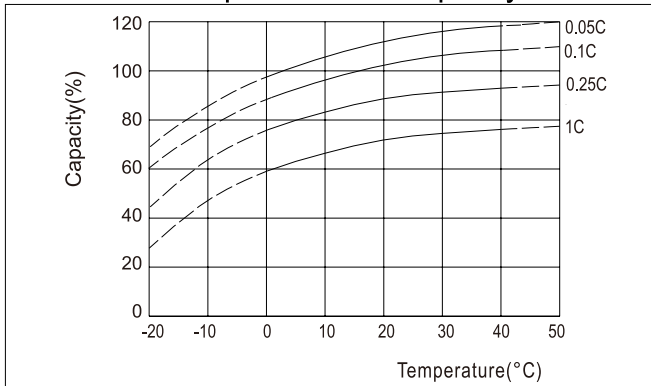
● Discharge Characteristics(25°C)



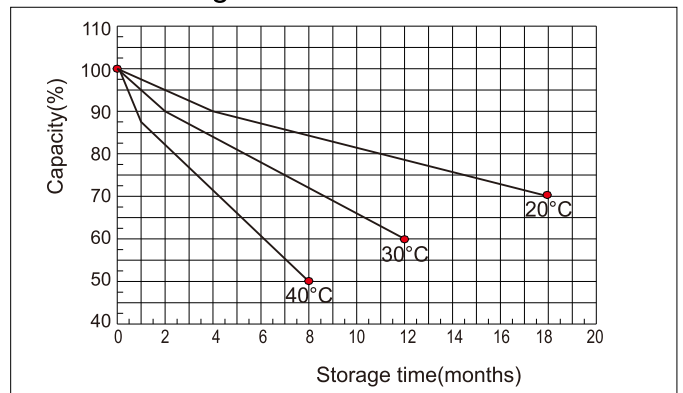
● Charging Characteristics(25°C)



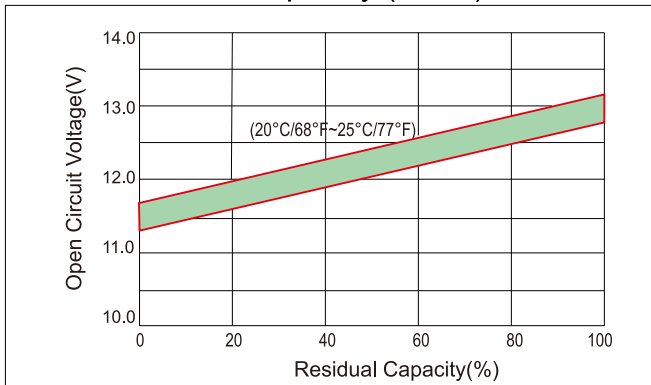
● Effect of Temperature on Capacity



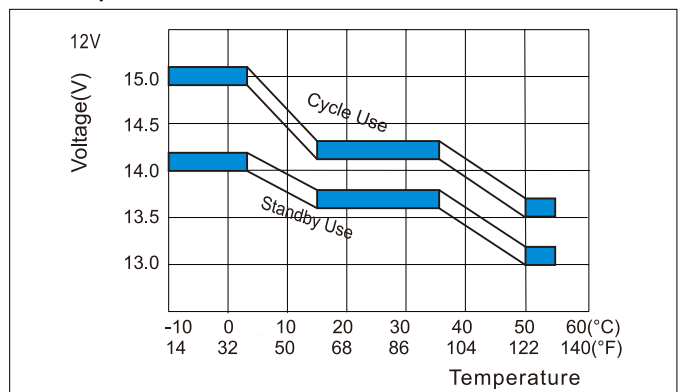
● Self-discharge Characteristics



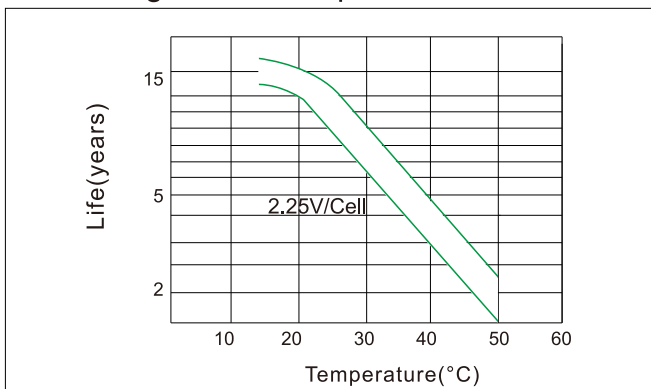
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

