



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		30.5kg(63.77 lbs)±4%

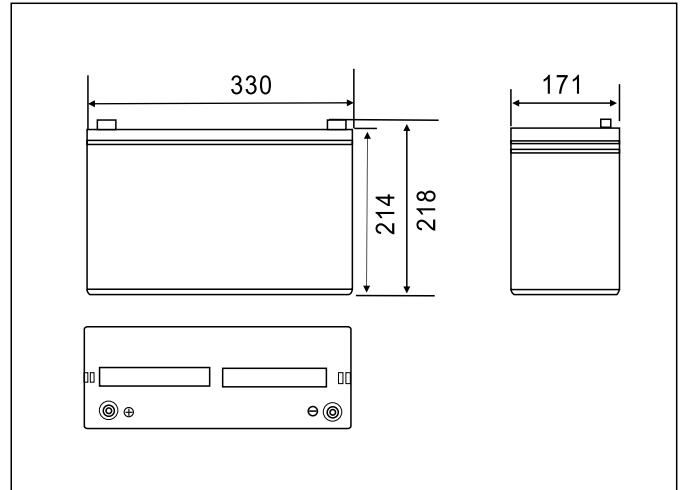
Characteristics

Capacity 25°C(77°F)	10 hour rate(10A) 5 hour rate(17A) 1hour rate(62A)	100 AH 85 AH 62AH
Internal Resistance	Full charged Battery at 25°C(77°F)	3mΩ
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

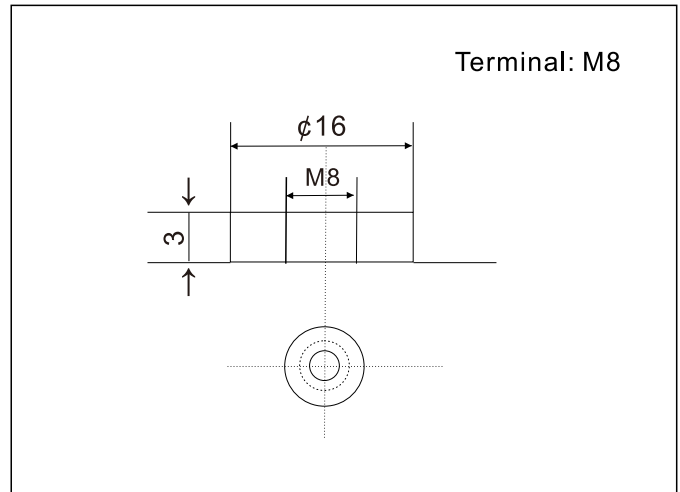
Applications

- 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)



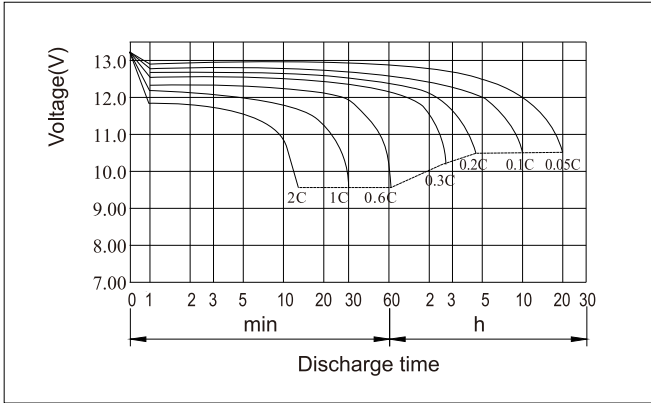
Terminal Type (mm)



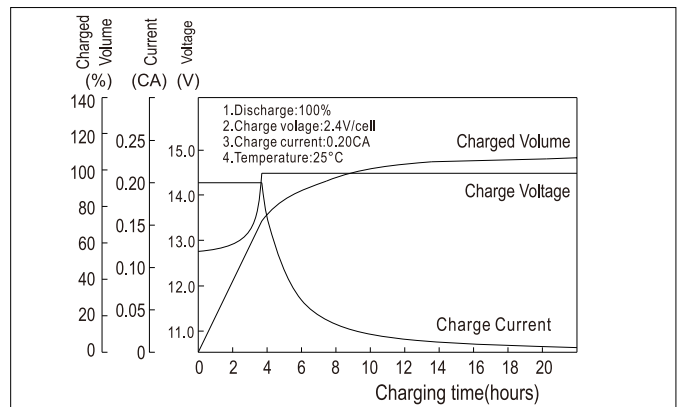
Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	214	167	101	62.6	36.5	25.5	20.9	17.9	12.2	5.34
	w	2313	1830	1133	714	423	300	246	211	145	64.1
9.90V	A	208	163	998.0	61.7	36.3	25.4	20.8	17.7	12.2	5.33
	w	2244	1768	1111	703	421	298	244	210	145	64.0
10.20V	A	199	155	96.0	60.1	36.0	25.2	20.6	17.6	12.1	6.32
	w	2151	1703	1077	685	417	296	243	208	144	63.8
10.50V	A	191	150	93.6	58.9	35.5	25.0	20.5	17.5	12.0	5.29
	w	2059	1645	1050	672	411	294	241	207	143	63.4
10.80V	A	180	142	90.2	57.1	34.6	24.3	19.9	17.0	11.6	5.25
	w	1943	1558	1012	651	400	285	234	201	138	63.0

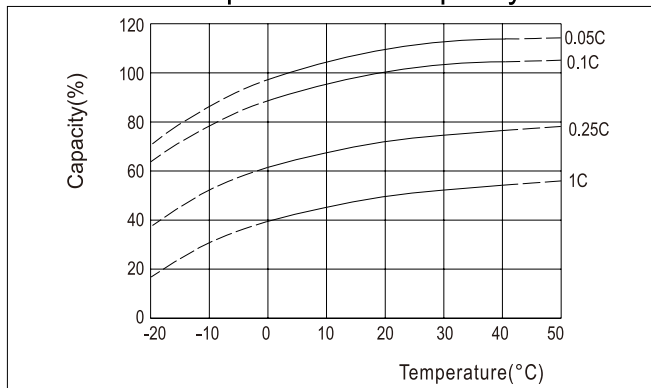
● Discharge Characteristics(25°C)



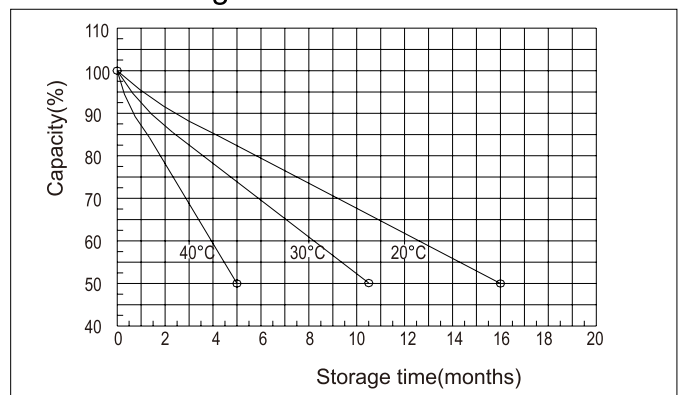
● Charging Characteristics(25°C)



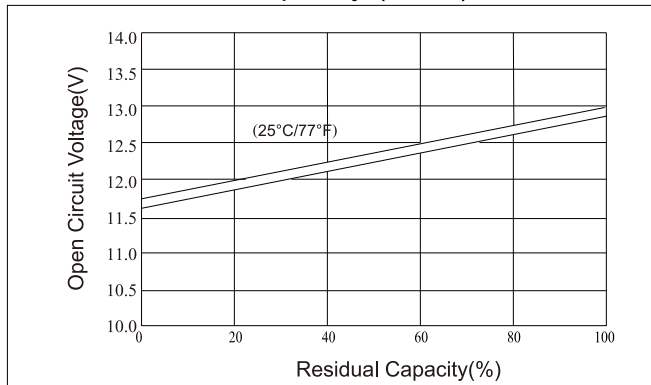
● Effect of Temperature on Capacity



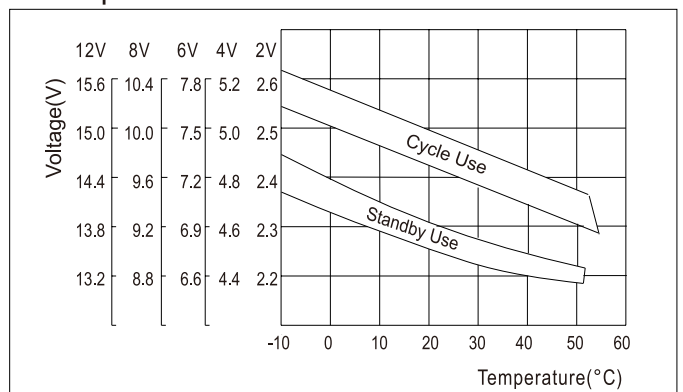
● Self-discharge Characteristics



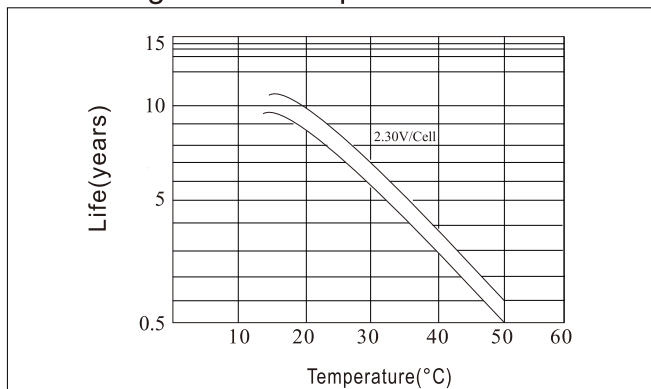
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

