



Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		210Ah
Dimensions	Total Height	222±2mm(8.74 inches)
	Height	218±2mm(8.58 inches)
	Length	522±2mm(20.6 inches)
	Width	238±2mm(9.37 inches)
Weight Approx		59.5kg(131.20lbs)±4%

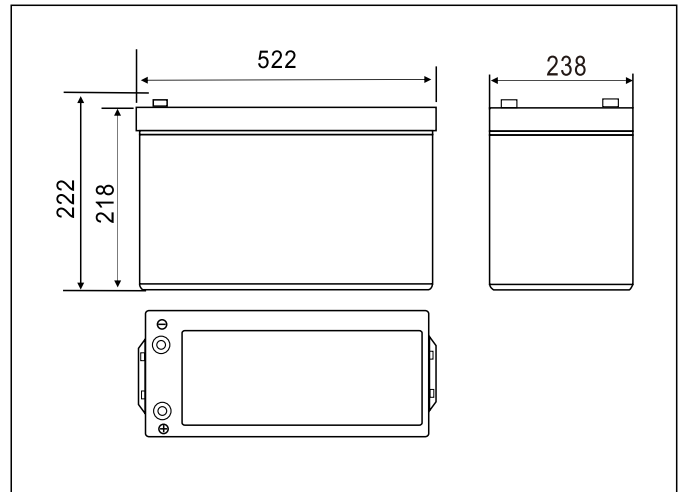
Characteristics

Capacity 25°C(77°F)	10 hour rate(22A)	210 AH
	5 hour rate(38A)	190 AH
	1hour rate(134A)	134AH
Internal Resistance	Full charged Battery at 25°C(77°F)	2.9mΩ
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 52.5A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

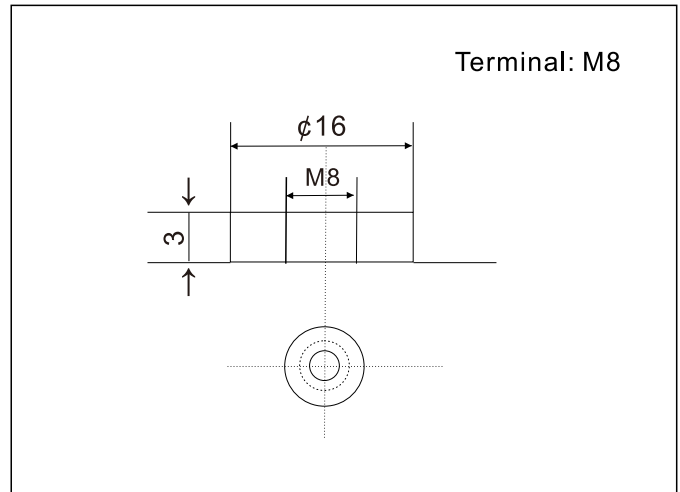
Applications

- 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)



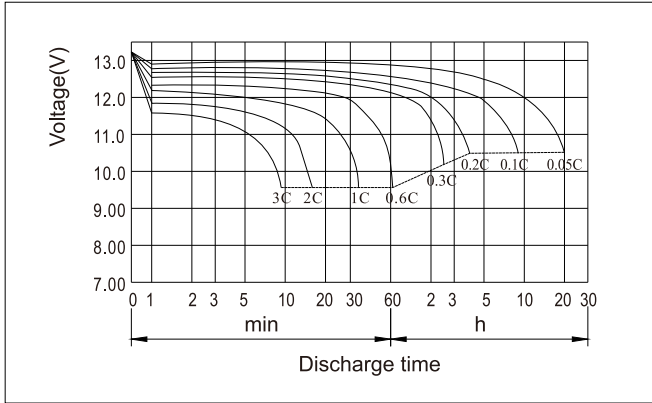
Terminal Type (mm)



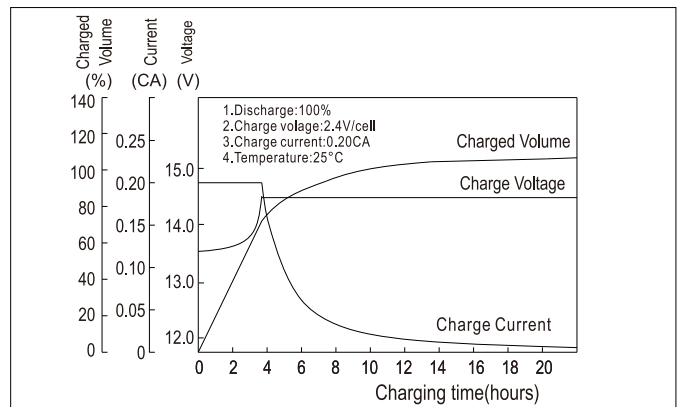
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	A	358	217	134	80.0	55.7	45.5	38.4	33.8	26.2	21.3	10.7
	w	3966	2415	1543	925	656	536	460	400	317	259	139
9.90V	A	350	213	131	79.5	55.5	45.3	38.1	33.6	26.1	21.2	10.6
	w	3868	2406	1521	921	652	533	458	397	314	259	139
10.20V	A	335	204	128	78.8	55.0	45.1	38.0	33.4	26.0	21.1	10.6
	w	3724	2334	1482	913	647	529	456	395	312	258	138
10.50V	A	324	200	125	77.6	54.6	44.8	37.7	33.2	25.8	21.1	10.5
	w	3591	2269	1449	900	643	527	452	393	310	257	138
10.80V	A	301	188	120	75.5	52.9	43.2	36.8	32.4	25.2	21.0	10.2
	w	3402	2184	1403	870	620	510	436	381	298	254	137

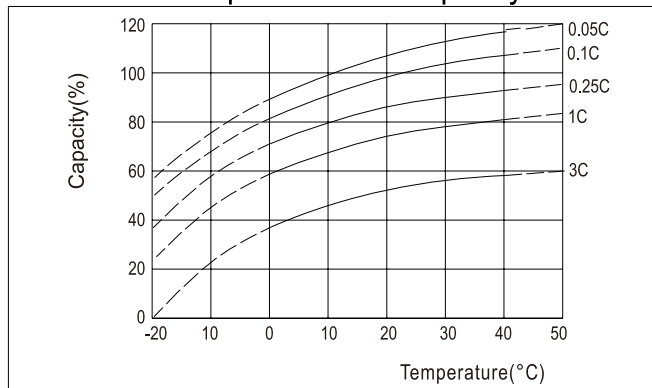
● Discharge Characteristics(25°C)



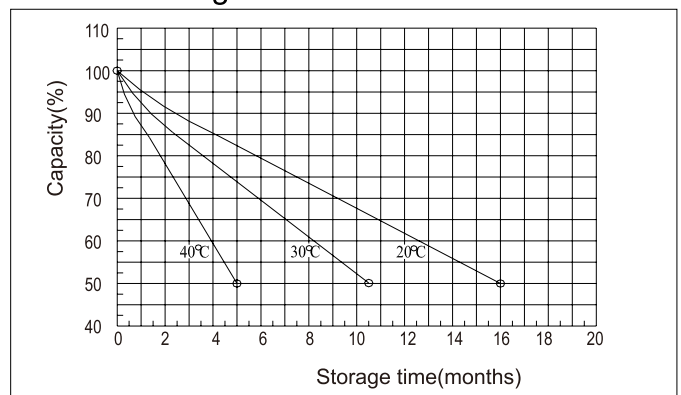
● Charging Characteristics(25°C)



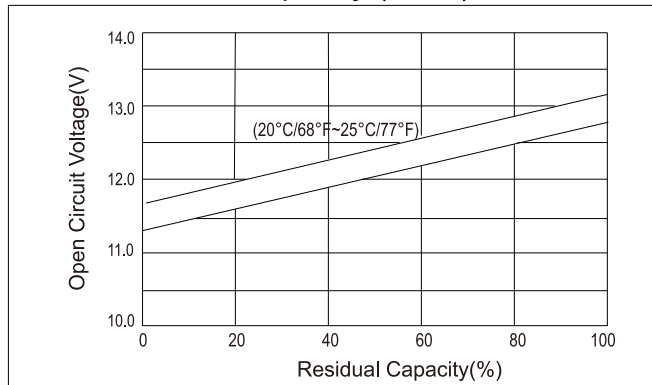
● Effect of Temperature on Capacity



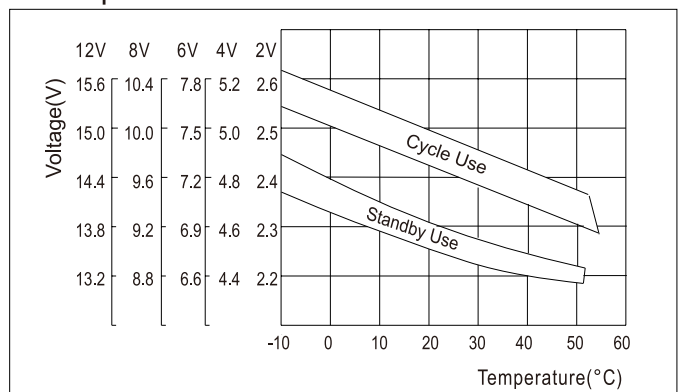
● Self-discharge Characteristics



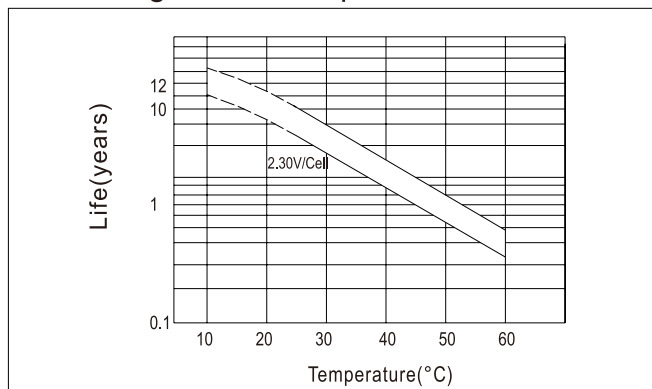
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

