



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		60kg(132.61lbs)±4%

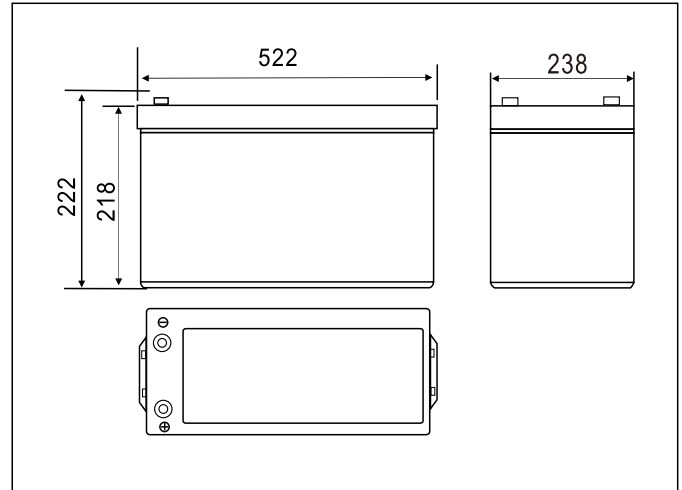
Characteristics

Capacity 25°C(77°F)	10 hour rate(22A) 5 hour rate(38A) 1hour rate(134A)	210 AH 190 AH 134AH
Internal Resistance	Full charged Battery at 25°C(77°F)	2.9mΩ
Capacity affected by Temperature (10hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Charge (constant voltage)	Cycle Initial Charging Current Less than 52.5A Voltage 14.50-14.90V	
	Float Voltage 13.50-13.80V	

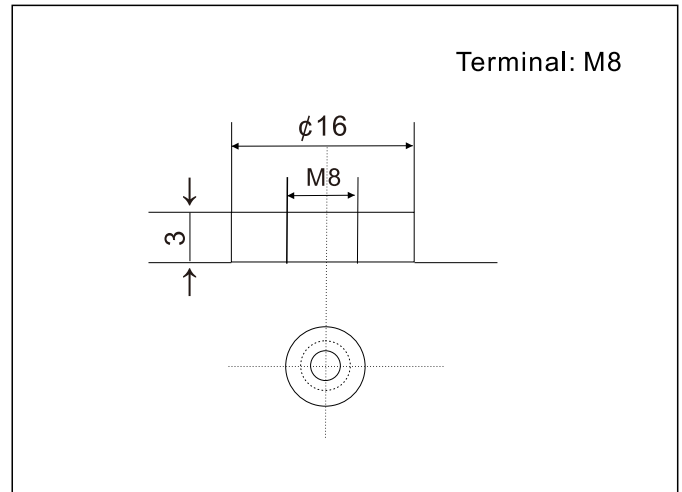
Applications

- 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)



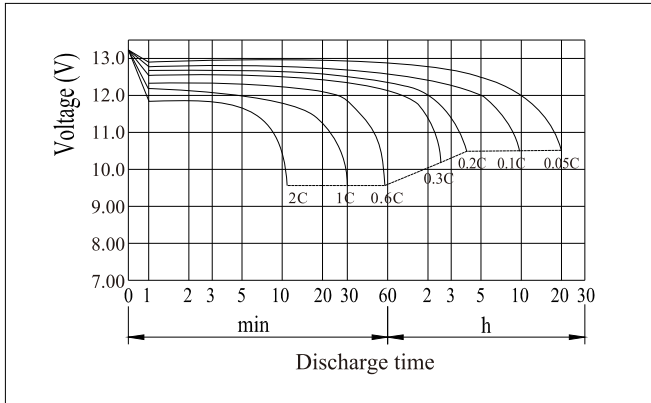
Terminal Type (mm)



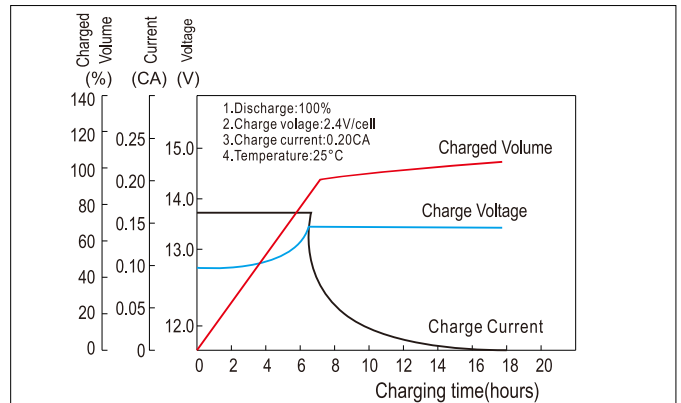
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	A	280	192	122	69.2	48.9	38.6	32.6	27.8	21.6	19.2	10.6	—
	w	3053	2154	1360	802	576	451	386	326	257	228	129	—
9.90V	A	275	190	121	68.6	48.6	38.4	32.4	27.6	21.4	19.1	10.6	—
	w	2982	2102	1340	796	574	449	384	325	257	228	129	—
10.20V	A	275	187	118	68.2	48.2	38.0	32.2	27.2	21.4	18.8	10.6	4.49
	w	2878	2043	1298	790	570	446	380	323	255	228	128	53.8
10.50V	A	258	183	116	67.3	47.9	37.8	32.0	26.9	21.0	19.0	10.5	4.47
	w	2779	2010	1284	780	566	44.4	378	320	251	226	127	53.6
10.80V	A	247	177	112	65.7	46.6	36.6	31.0	26.2	20.6	18.9	10.4	4.46
	w	2634	1969	1243	761	548	429	314	311	244	224	126	53.5

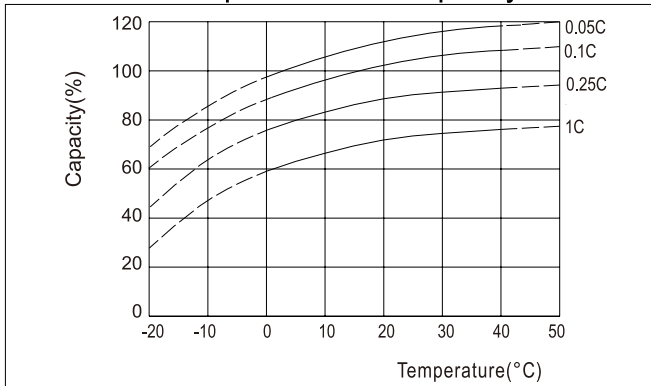
● Discharge Characteristics(25°C)



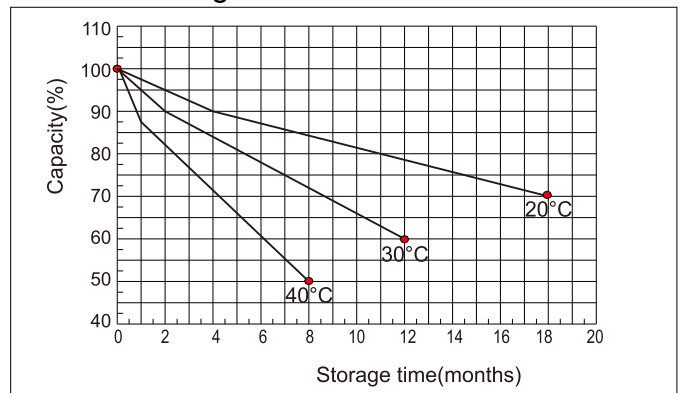
● Charging Characteristics(25°C)



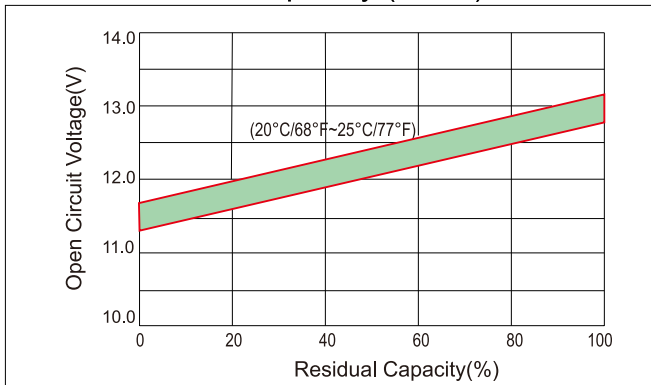
● Effect of Temperature on Capacity



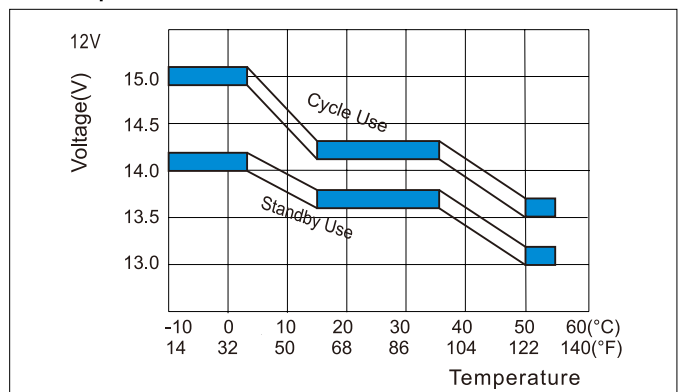
● Self-discharge Characteristics



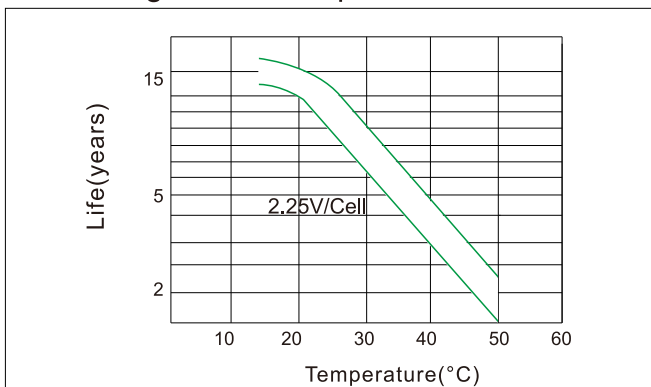
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

