



Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		200Ah
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		59kg(130.09lbs)±4%

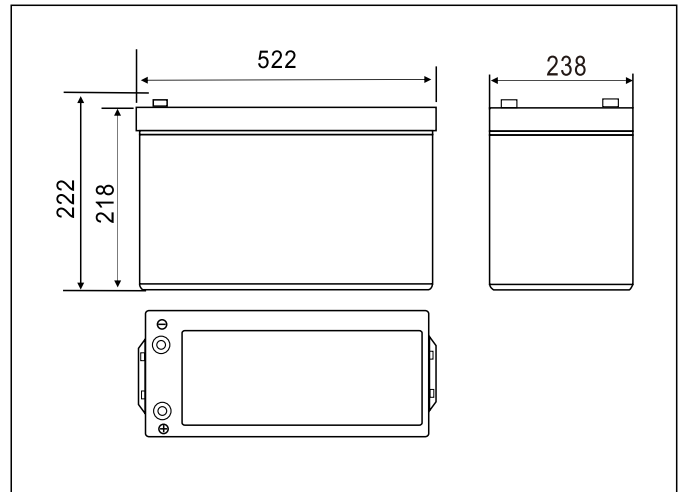
Characteristics

Capacity 25°C(77°F)	10 hour rate(20A) 5 hour rate(35A) 1hour rate(124A)	200 AH 175 AH 124AH
Internal Resistance	Full charged Battery at 25°C(77°F)	3m Ω
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 50 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

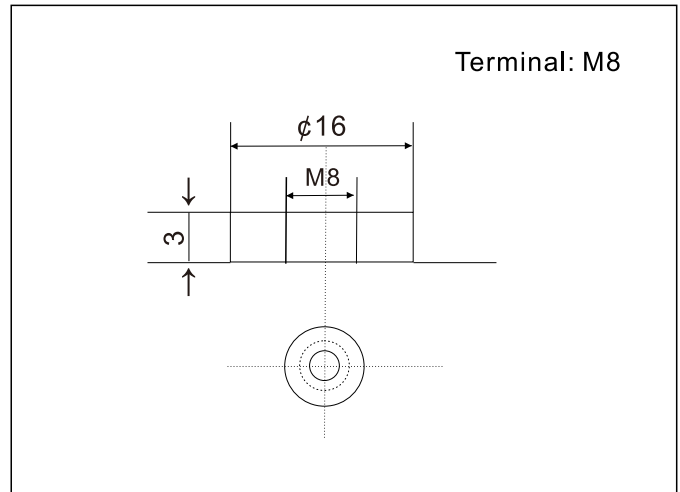
Applications

- 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)



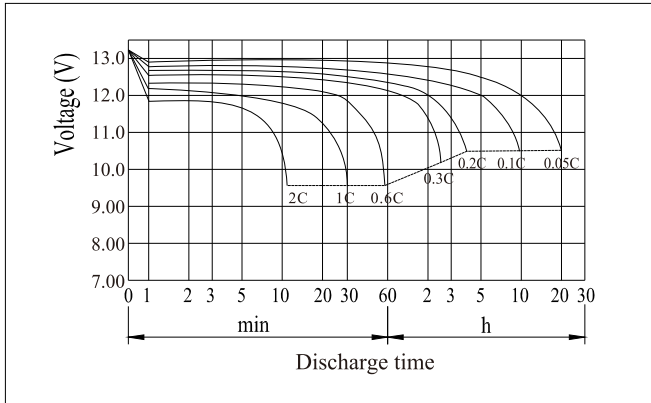
Terminal Type (mm)



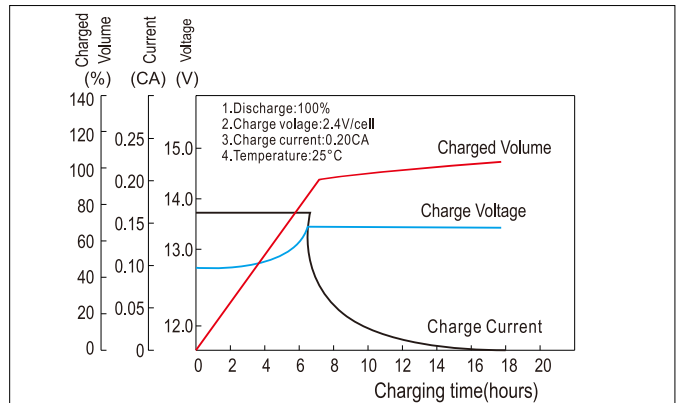
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	A	270	186	116	68.0	48.0	37.8	31.6	27.0	21.0	18.7	10.2	—	—
	w	3014	2124	1340	792	566	446	376	320	250	224	123	—	—
9.90V	A	264	183	115	67.6	47.6	37.6	31.4	26.8	20.8	18.7	10.2	—	—
	w	2940	2082	1320	786	564	444	374	318	250	224	123	—	—
10.20V	A	254	177	112	67.0	47.4	37.2	31.2	26.6	20.8	18.6	10.2	4.46	—
	w	2832	2018	1288	780	560	440	370	316	248	224	123	53.5	—
10.50V	A	246	173	110	66.0	47.0	37.0	31.0	26.4	20.6	18.5	10.0	4.43	1.84
	w	2736	1970	1262	768	556	438	368	314	246	222	121	53.2	22.2
10.80V	A	232	166	106	64.4	45.6	35.8	30.0	25.6	20.0	18.4	10.0	4.43	1.84
	w	2592	1898	1222	748	538	424	304	304	238	220	121	53.2	22.0

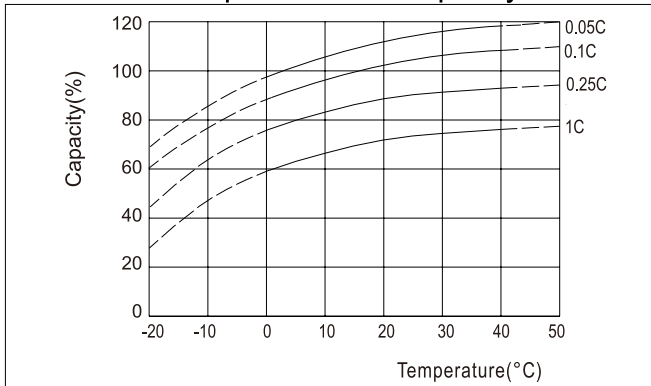
● Discharge Characteristics(25°C)



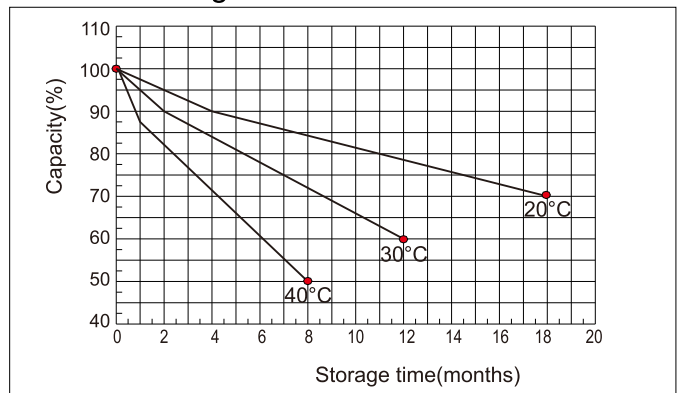
● Charging Characteristics(25°C)



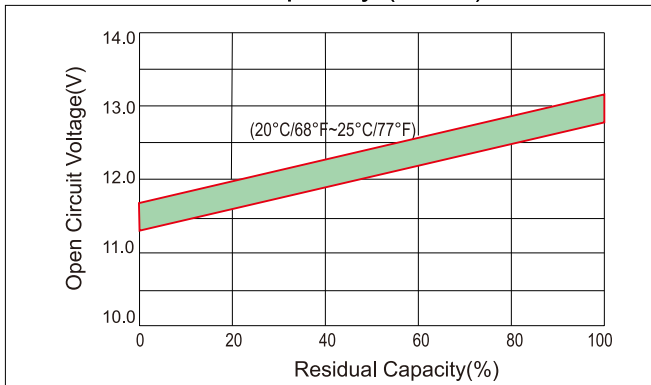
● Effect of Temperature on Capacity



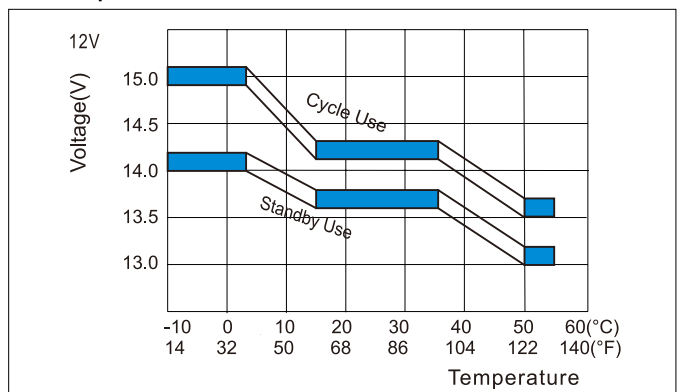
● Self-discharge Characteristics



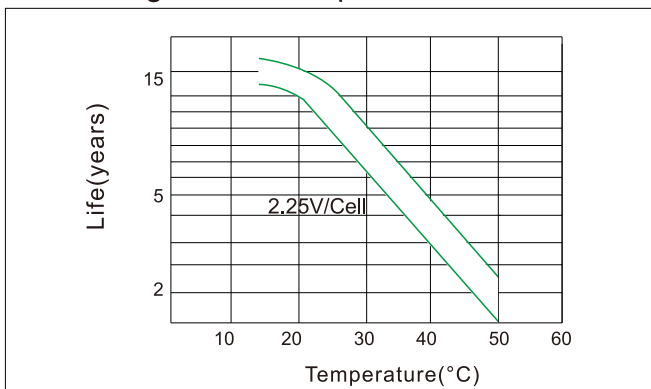
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

