



Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		80Ah
Dimensions	Total Height	214±2mm(8.43 inches)
	Height	208±2mm(8.19 inches)
	Length	259±2mm(10.2 inches)
	Width	169±2mm(6.65 inches)
Weight Approx		22.5kg(49.62 lbs)±4%

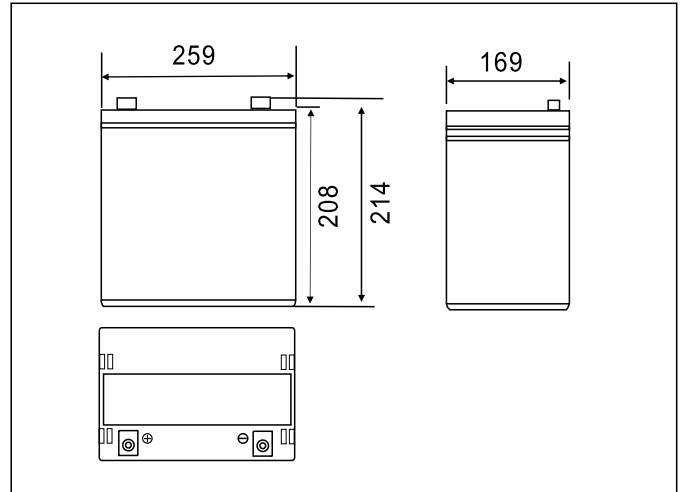
Characteristics

Capacity 25°C(77°F)	10 hour rate(8.0A) 5 hour rate(14.3A) 1hour rate(49.6A)	80.0 AH 71.5 AH 49.6AH
Internal Resistance	Full charged Battery at 25°C(77°F)	5.5m 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 20 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

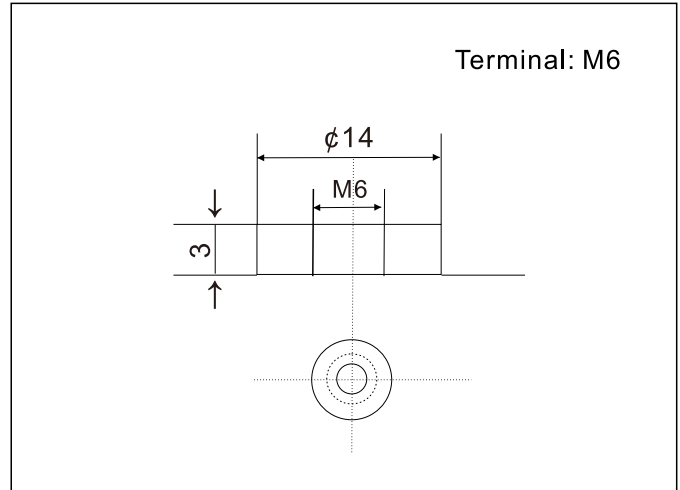
Applications

- 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)



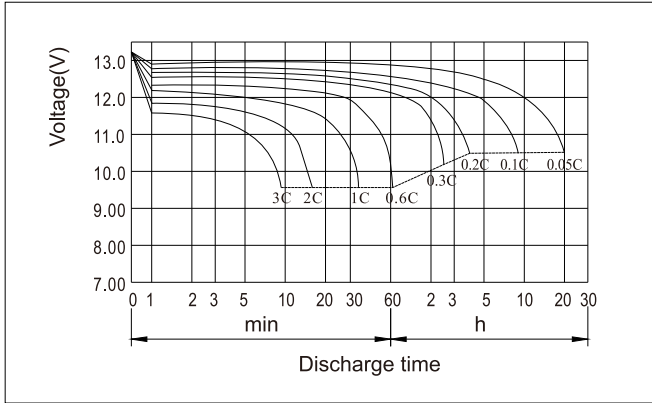
Terminal Type (mm)



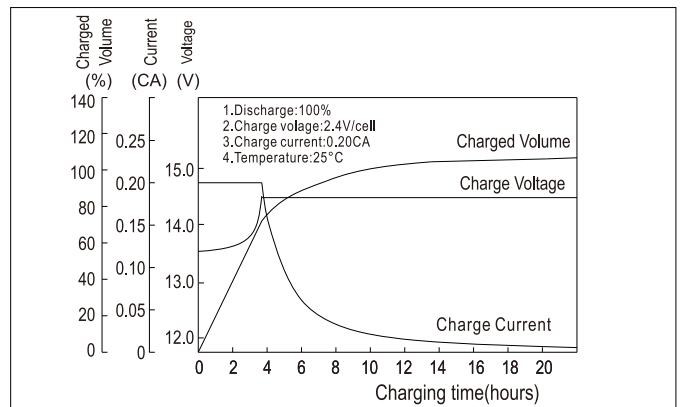
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	168	132	80.0	49.6	29.2	20.4	16.7	14.3	9.79	8.14	4.28
	w	1814	1449	898	565	339	240	197	169	116	97.2	51.3
9.90V	A	163	129	78.4	48.9	29.1	20.3	16.6	14.2	9.73	8.13	4.27
	w	1760	1415	880	557	337	238	196	168	116	97.0	51.2
10.20V	A	156	124	76.0	47.6	28.8	20.1	16.5	14.1	9.67	8.10	4.25
	w	1687	1362	853	543	334	237	194	167	115	96.8	51.1
10.50V	A	150	120	74.2	46.7	28.4	20.0	16.4	14.0	9.60	8.06	4.23
	w	1615	1316	832	532	329	235	193	165	114	96.2	50.8
10.80V	A	141	114	71.4	45.2	27.6	19.4	15.9	13.6	9.31	8.00	4.20
	w	1524	1246	802	516	320	228	187	161	111	95.5	50.4

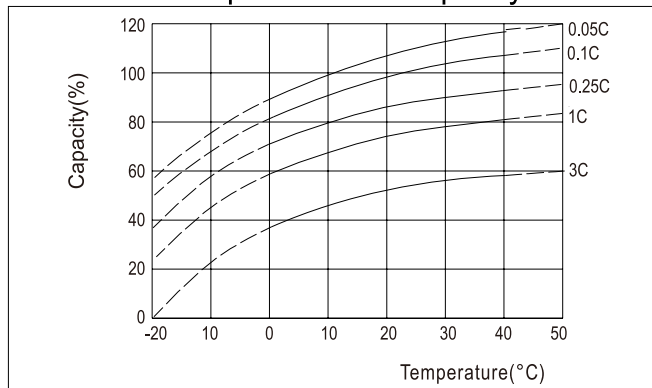
● Discharge Characteristics(25°C)



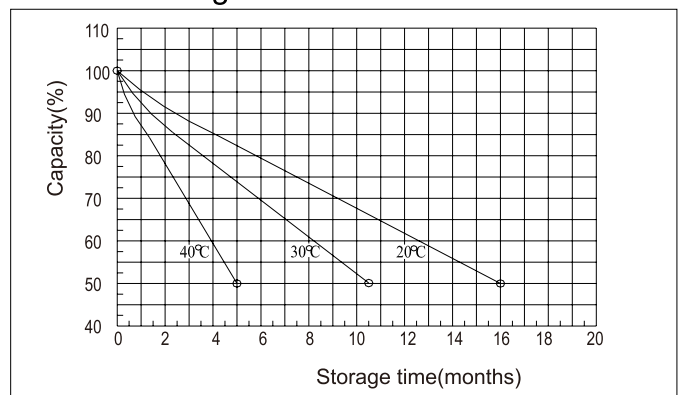
● Charging Characteristics(25°C)



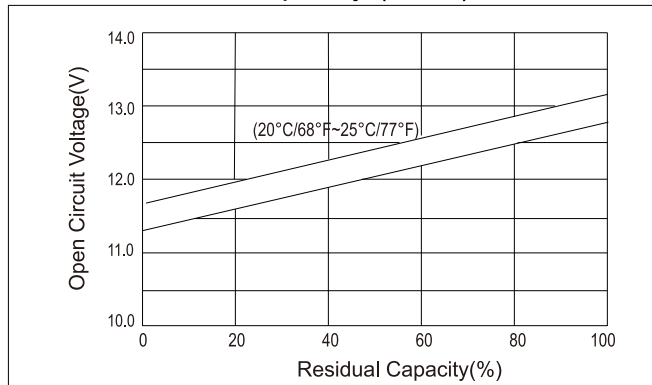
● Effect of Temperature on Capacity



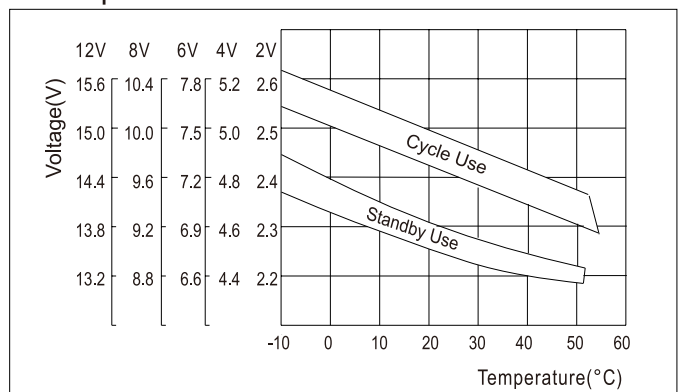
● Self-discharge Characteristics



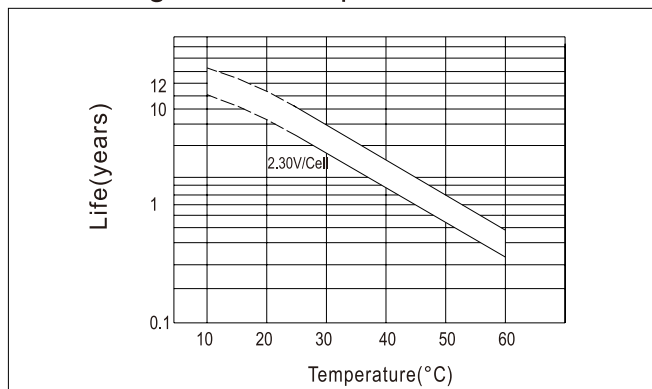
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

