



### Specifications

Nominal Voltage		12V
Rated Capacity (10 hour rate)		40Ah
Dimensions	Total Height	170±2mm(6.69 inches)
	Height	170±2mm(6.69 inches)
	Length	197±2mm(7.74 inches)
	Width	165±2mm(6.50 inches)
Weight Approx		12kg(26.44 lbs)±4%

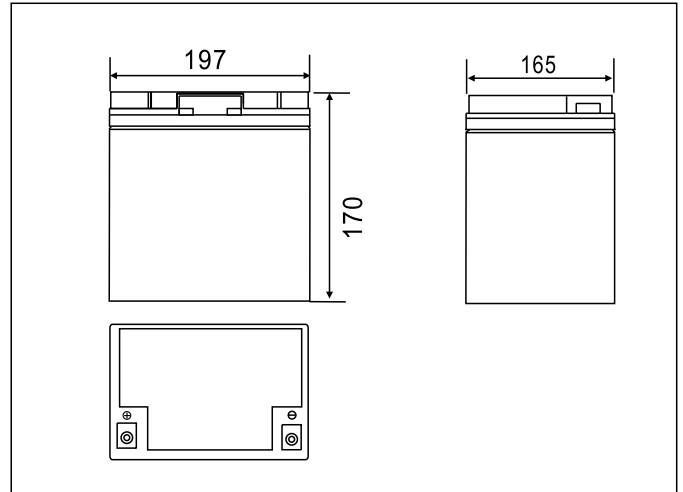
### Characteristics

Capacity 25°C(77°F)	10 hour rate(4.0A) 5 hour rate(7.1A) 1 hour rate(24.8A)	40.0 AH 35.5AH 24.8AH
Internal Resistance	Full charged Battery at 25°C(77°F)	8.5m Ω
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 10 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

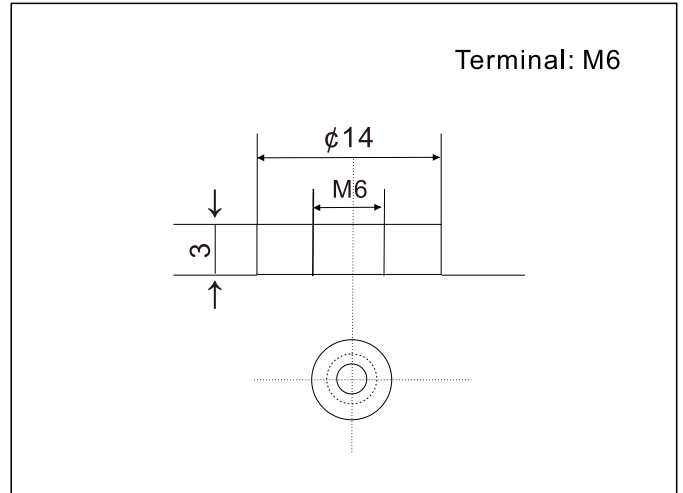
### Applications

- 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)



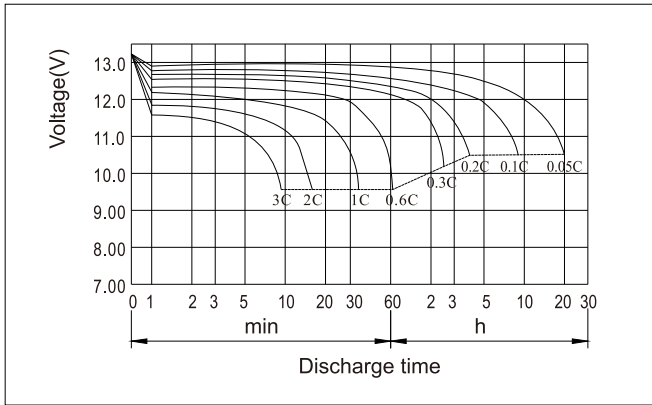
### Terminal Type (mm)



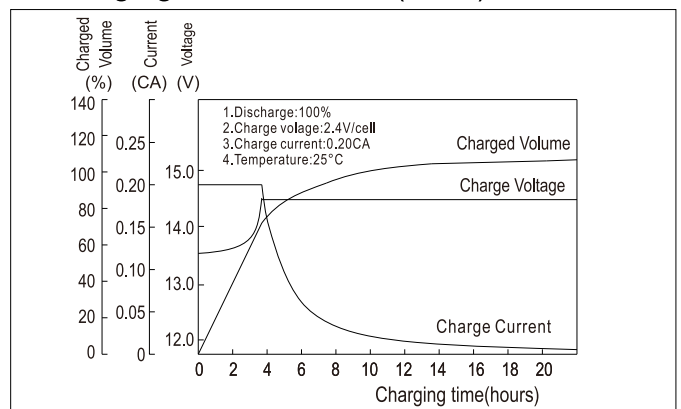
### Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	84.0	66.0	40.0	24.8	14.6	10.2	8.36	7.14	4.90	2.14
	w	907	725	449	283	169	120	97.4	84.4	58.2	25.7
9.90V	A	81.5	64.4	39.2	24.4	14.5	10.1	8.31	7.10	4.87	2.13
	w	880	707	440	278	168	119	97.8	83.9	57.8	25.6
10.20V	A	78.1	62.0	38.0	23.8	14.4	10.1	8.26	7.05	4.83	2.13
	w	844	681	426	271	167	118	97.1	83.3	57.4	25.5
10.50V	A	74.8	59.9	37.1	23.3	14.2	10.0	8.20	7.00	4.80	2.11
	w	807	658	416	266	164	118	96.4	82.7	57.0	25.4
10.80V	A	70.6	56.8	35.7	22.6	13.8	9.70	7.95	6.79	4.66	2.10
	w	762	623	401	258	160	114	93.5	80.3	47.8	25.2

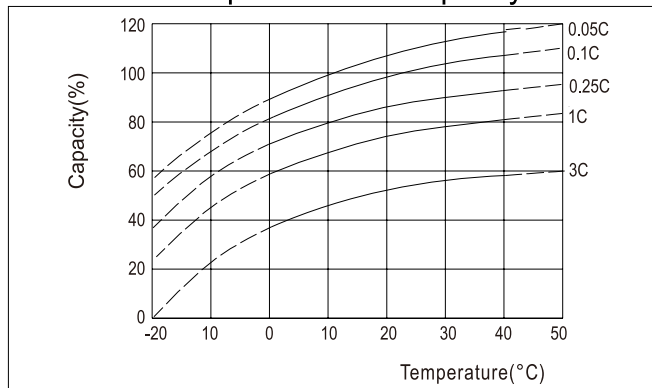
### ● Discharge Characteristics(25°C)



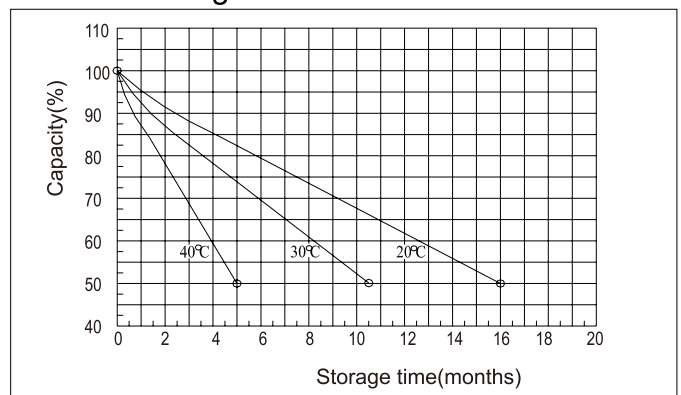
### ● Charging Characteristics(25°C)



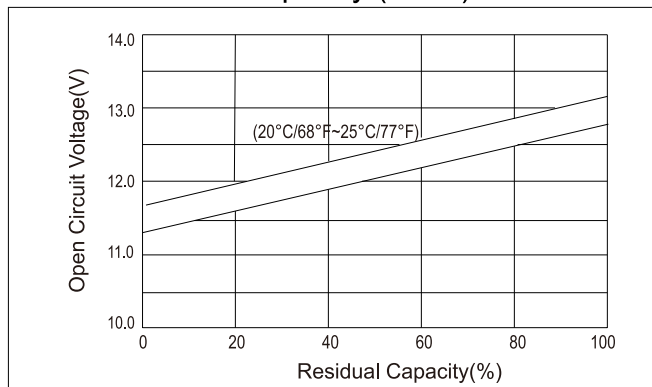
### ● Effect of Temperature on Capacity



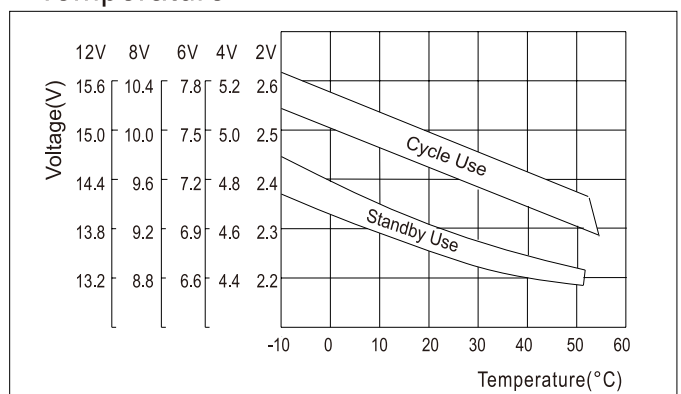
### ● Self-discharge Characteristics



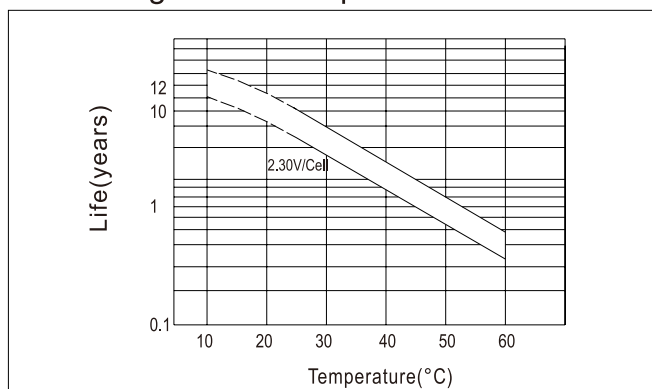
### ● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



### ● The Relationship for Charging Voltage and Temperature



### ● Floating Life on Temperature



### ● Cycle Life on D.O.D (25°C)

