



### ● Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		7.2Ah
Dimensions	Total Height	101±2mm(3.98 inches)
	Height	95±2mm(3.74 inches)
	Length	151±2mm(5.94 inches)
	Width	65 mm(2.56 inches)
Weight Approx		2.15kg(4.74lbs)± 4%

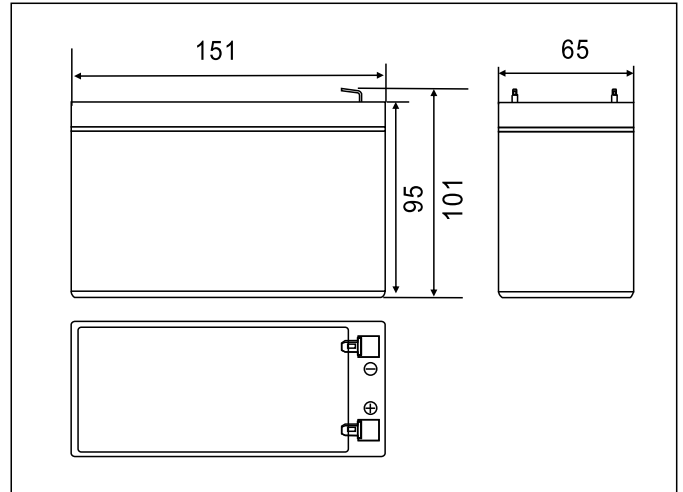
### ● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.36A)	7.20 AH
	10 hour rate(0.68A)	6.80 AH
	5 hour rate(1.25A)	6.25AH
	1 hour rate(4.68A)	4.68 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	28m Ω
Capacity affected by Temperature (20hour 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 2.16 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

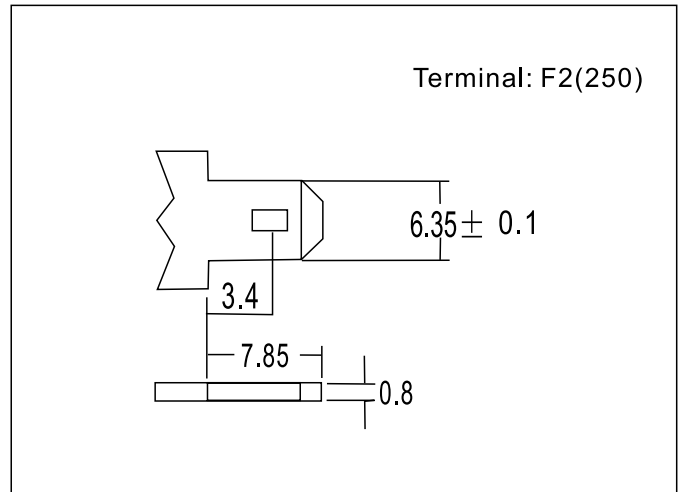
### ● Applications

- 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)



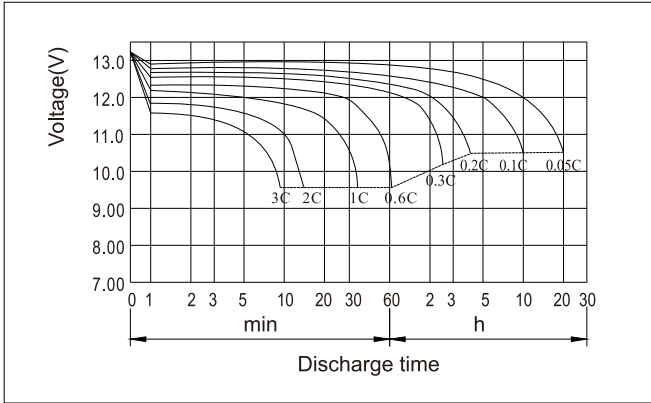
### ● Terminal Type (mm)



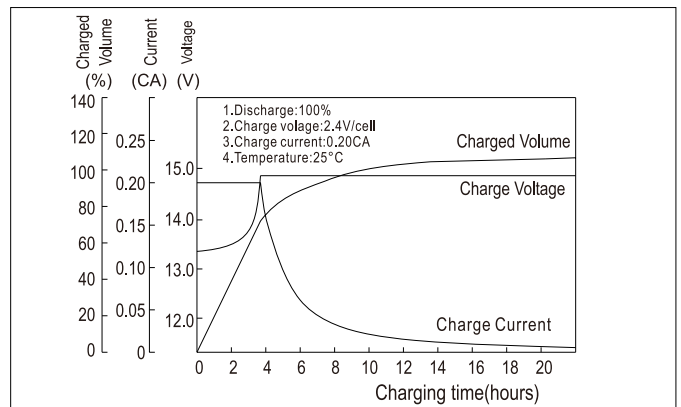
### Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h	
9.60V	A	27.4	17.3	13.7	7.63	4.68	2.56	1.84	1.47	1.25	0.68	0.37
	w	305	195	156	87.5	54.2	29.9	21.8	17.5	14.9	8.16	4.38
9.90V	A	26.5	16.8	13.4	7.48	4.61	2.54	1.83	1.46	1.24	0.68	0.36
	w	296	189	152	85.7	53.4	29.7	21.7	17.4	14.8	8.12	4.37
10.2V	A	25.4	16.1	12.9	7.25	4.49	2.52	1.81	1.45	1.23	0.67	0.36
	w	284	181	147	83.1	52.0	29.5	21.5	17.3	14.7	8.08	4.35
10.5V	A	24.4	15.4	12.4	7.07	4.40	2.48	1.80	1.44	1.22	0.67	0.36
	w	272	173	142	81.1	51.0	29.0	21.4	17.2	14.6	8.04	4.32
10.8V	A	23.0	14.5	11.8	6.82	4.27	2.42	1.75	1.40	1.19	0.66	0.35
	w	256	164	134	78.1	49.4	28.3	20.7	16.6	14.2	7.87	4.23

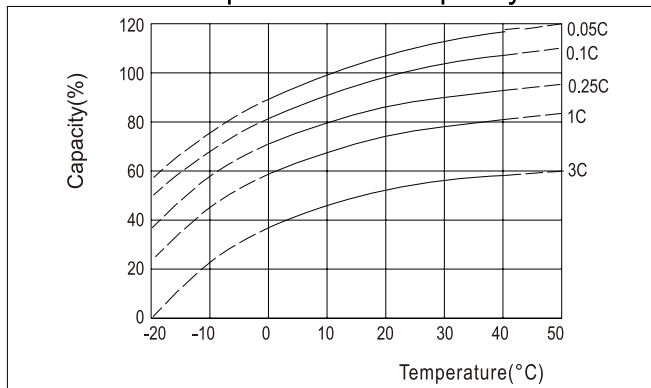
### ● Discharge Characteristics(25°C)



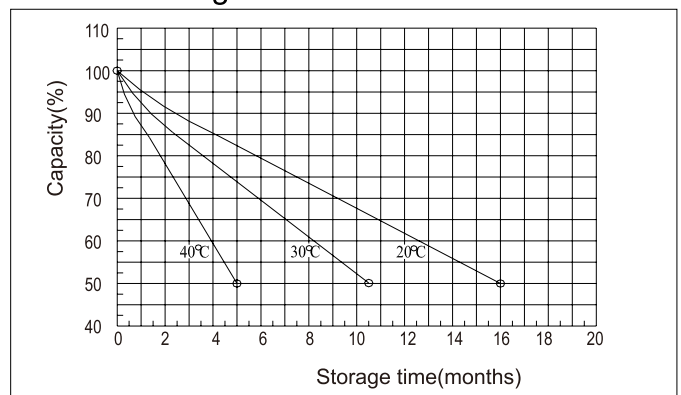
### ● Charging Characteristics(25°C)



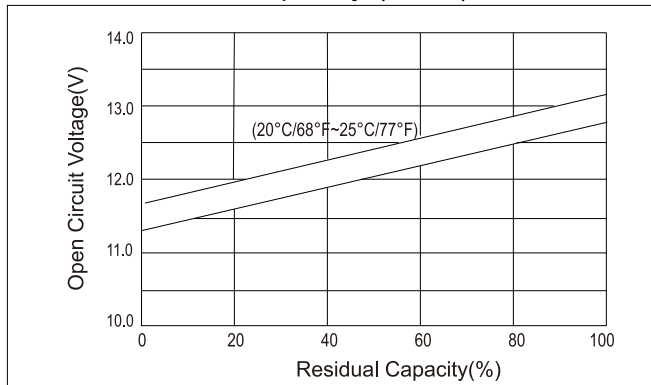
### ● Effect of Temperature on Capacity



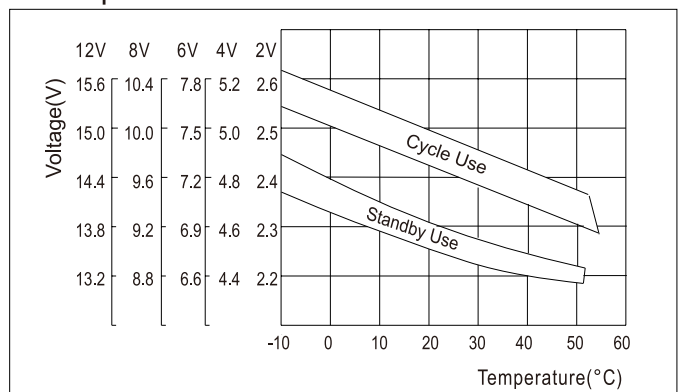
### ● Self-discharge Characteristics



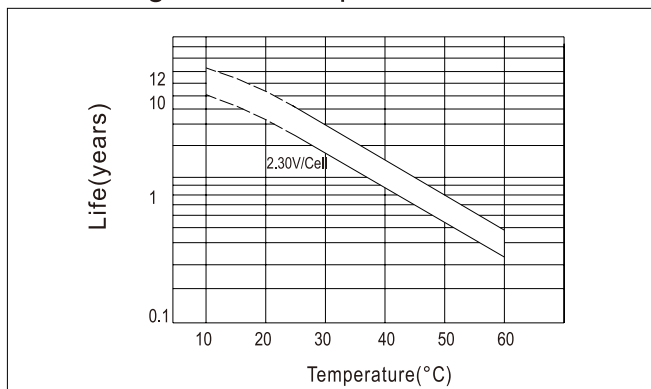
### ● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



### ● The Relationship for Charging Voltage and Temperature



### ● Floating Life on Temperature



### ● Cycle Life on D.O.D (25°C)

