

Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		7.0Ah
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		2.1kg(4.63lbs)± 4%

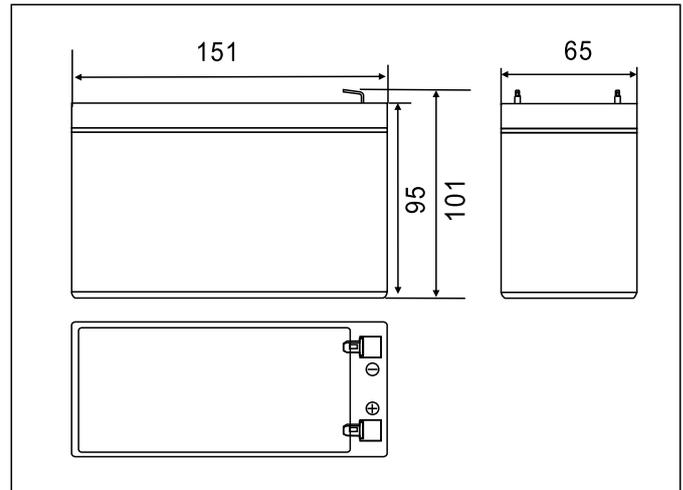
Characteristics

Capacity 25°C(77°F)	20 hour rate(0.35A)	7.00 AH
	10 hour rate(0.64A)	6.40 AH
	5 hour rate(1.20A)	6.00AH
	1 hour rate(4.20 A)	4.20 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 2.1 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

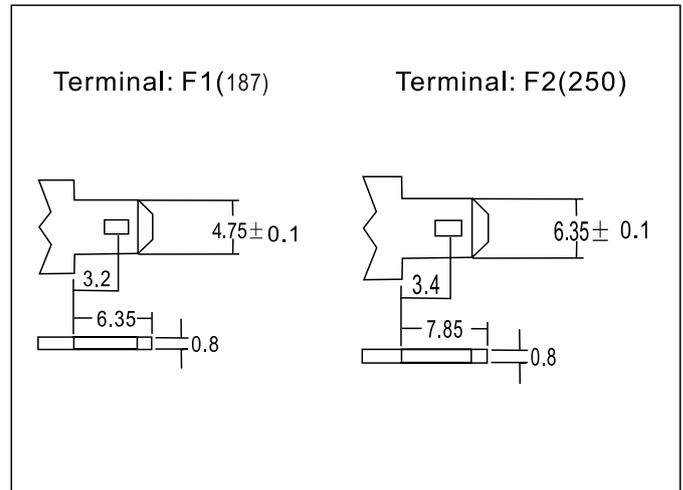
Applications

- 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)



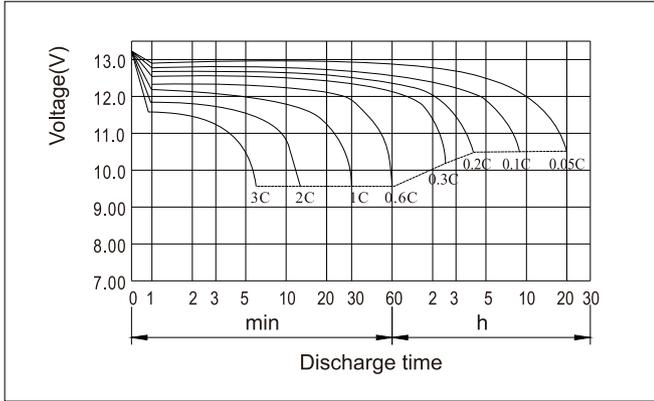
Terminal Type (mm)



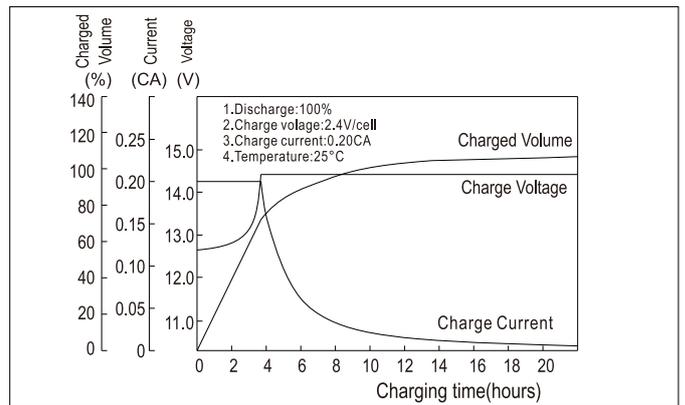
Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h	
9.60V	A	26.8	16.9	13.4	7.47	4.58	2.50	1.80	1.44	1.22	0.67	0.36
	w	299	191	153	85.6	53.1	29.3	21.4	17.1	14.6	7.99	4.29
9.90V	A	26.0	16.4	13.1	7.31	4.51	2.49	1.79	1.43	1.22	0.66	0.36
	w	290	185	149	83.9	52.3	29.1	21.2	17.0	14.5	7.95	4.28
10.2V	A	24.9	15.7	12.6	7.10	4.40	2.47	1.77	1.42	1.21	0.66	0.35
	w	278	177	144	81.4	50.9	28.9	21.1	16.9	14.4	7.92	4.26
10.5V	A	23.8	15.1	12.2	6.93	4.31	2.43	1.76	1.41	1.20	0.66	0.35
	w	266	170	139	79.4	49.9	28.4	20.9	16.8	14.3	7.87	4.23
10.8V	A	22.5	14.2	11.5	6.67	4.18	2.37	1.71	1.39	1.16	0.64	0.35
	w	251	160	131	76.5	48.4	27.7	20.3	16.3	13.9	7.71	4.15

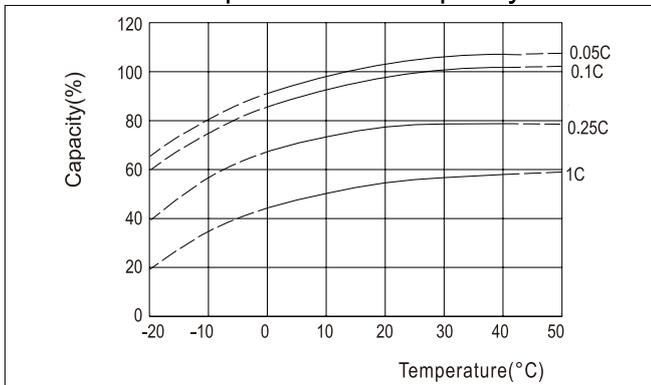
● Discharge Characteristics(25°C)



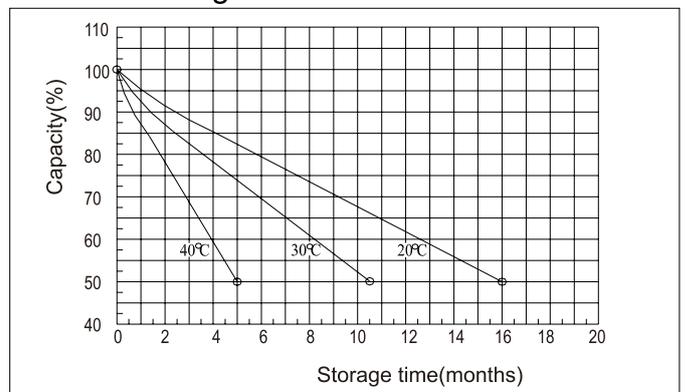
● Charging Characteristics(25°C)



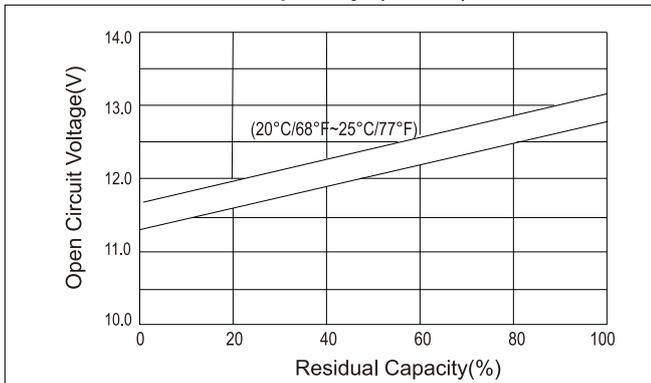
● Effect of Temperature on Capacity



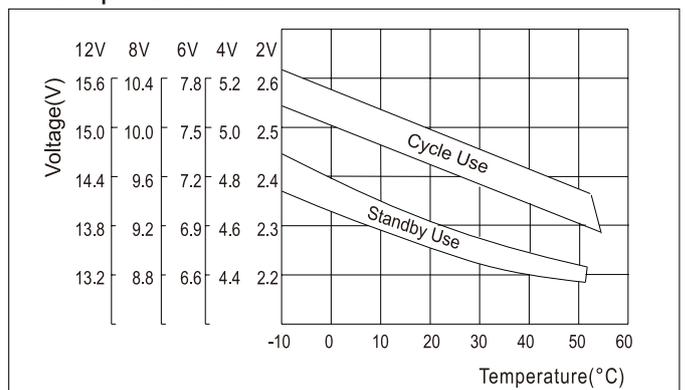
● Self-discharge Characteristics



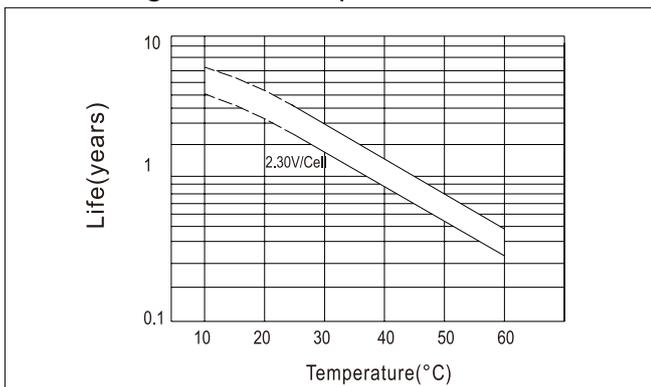
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

