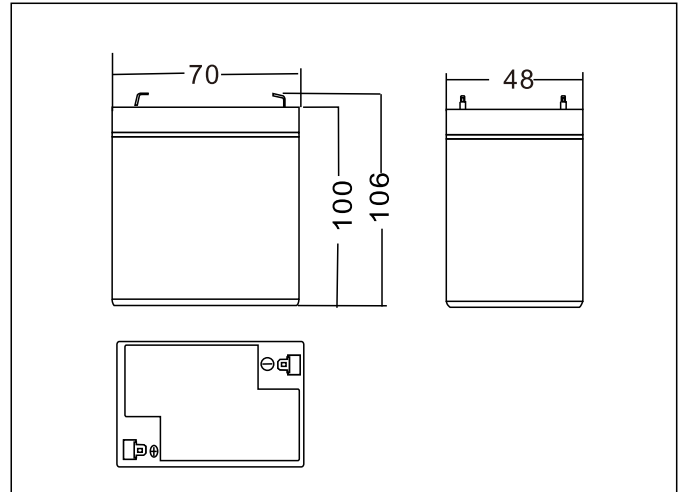




### ● Applications

- 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)



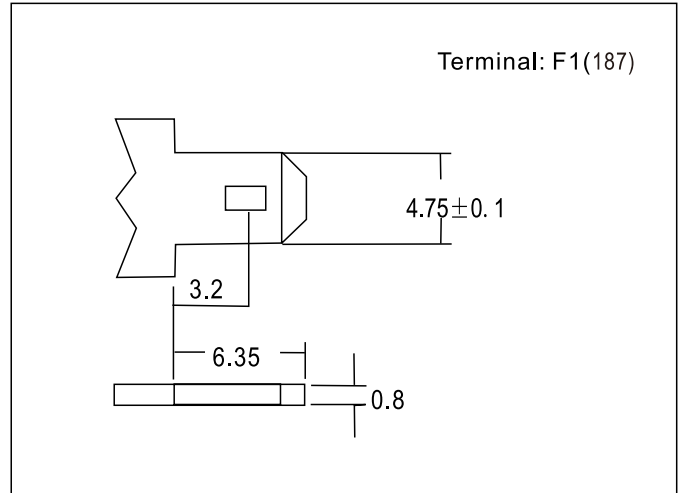
### ● Specifications

Nominal Voltage		12V
Rated Capacity (20 hour rate)		2.6Ah
Dimensions	Total Height	106±2mm(4.17 inches)
	Height	100±2mm(3.94 inches)
	Length	70±2mm(2.76 inches)
	Width	48±2mm(1.89 inches)
Weight Approx		0.75kg(1.65 lbs)± 4%

### ● Characteristics

Capacity 25°C(77°F)	20 hour rate(0.13A)	2.60 AH
	10 hour rate(0.24A)	2.40 AH
	5 hour rate(0.42A)	2.10AH
	1 hour rate(1.63 A)	1.63 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	55m 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 0.78 A Voltage 14.50-14.90V
	Float	Voltage 13.50-13.80V

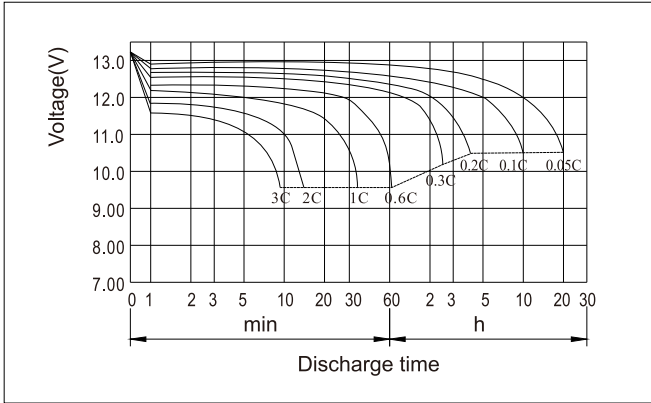
### ● Terminal Type (mm)



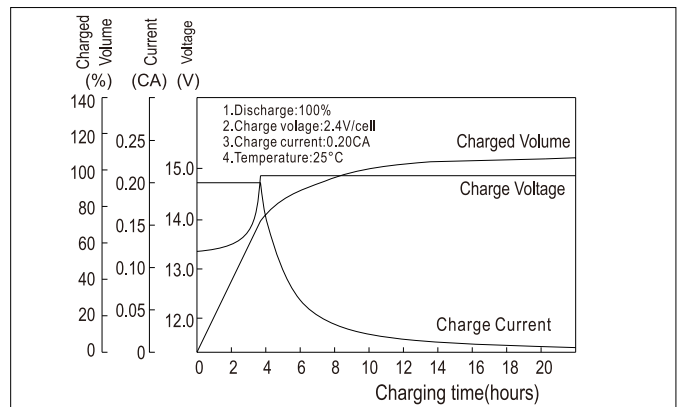
### Constant Current(AMP) and Constant Power(Watt) Characteristics at 25°C(77°F)

F.V/TIME	5min	10min	15min	30min	1h	2h	3h	4h	5h	10h	20h	
4.80V	A	9.50	6.00	4.75	2.65	1.63	0.89	0.64	0.51	0.43	0.24	0.13
	w	106	67.7	54.2	30.4	18.8	10.4	7.57	6.07	5.18	2.83	1.52
4.95V	A	9.22	5.82	4.64	2.60	1.60	0.88	0.63	0.51	0.43	0.24	0.13
	w	103	65.6	52.9	29.8	18.5	10.3	7.53	6.04	5.15	2.82	0.52
5.10V	A	8.84	5.58	4.47	2.52	1.56	0.88	0.63	0.50	0.43	0.23	0.13
	w	98.6	62.9	50.9	28.9	18.1	10.2	7.48	6.00	5.11	2.81	1.51
5.25V	A	8.46	5.34	4.31	2.46	1.53	0.86	0.63	0.50	0.43	0.23	0.13
	w	94.4	60.2	49.2	28.2	17.7	10.1	7.43	5.96	5.07	2.79	1.50
5.40V	A	7.98	5.04	4.09	2.37	1.48	0.84	0.61	0.49	0.41	0.23	0.12
	w	89.1	56.9	46.6	27.1	17.2	9.83	7.20	5.78	4.92	2.73	1.47

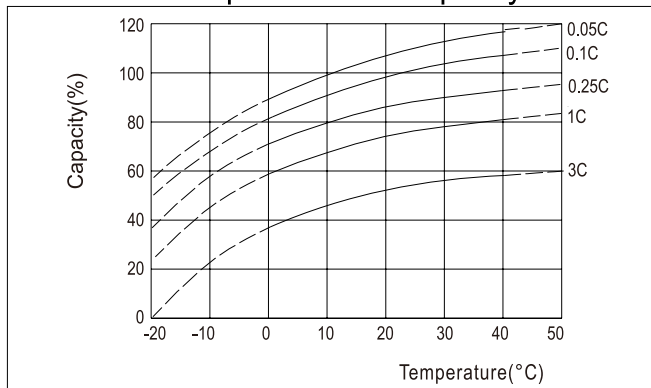
### ● Discharge Characteristics(25°C)



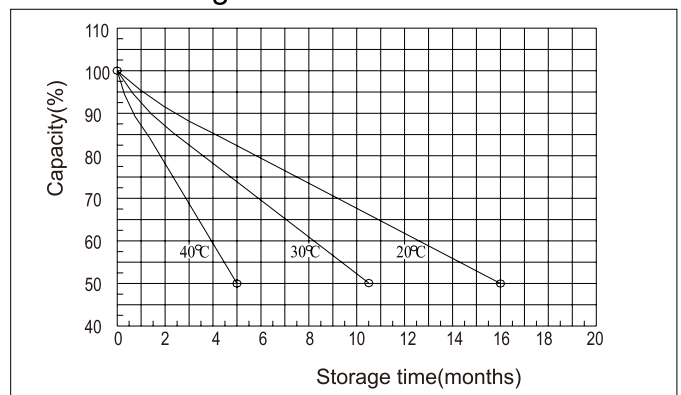
### ● Charging Characteristics(25°C)



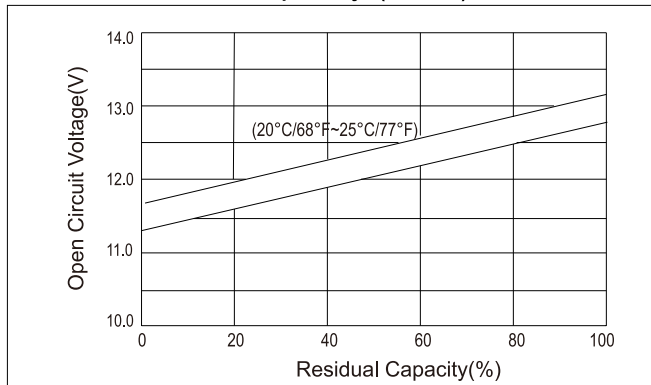
### ● Effect of Temperature on Capacity



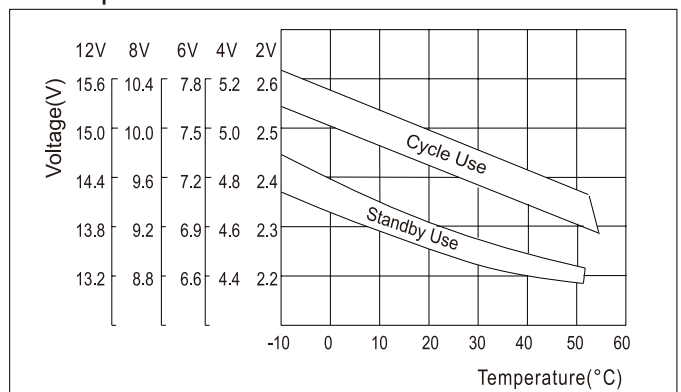
### ● Self-discharge Characteristics



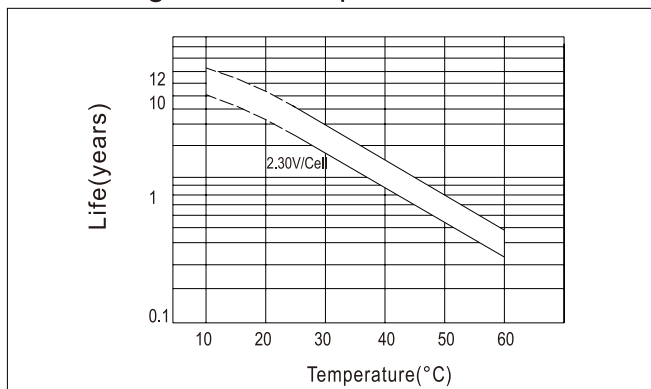
### ● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



### ● The Relationship for Charging Voltage and Temperature



### ● Floating Life on Temperature



### ● Cycle Life on D.O.D (25°C)

