



● Specifications

| | | |
|-------------------------------|--------------|----------------------|
| Nominal Voltage | | 2V |
| Rated Capacity (10 hour rate) | | 100Ah |
| Dimensions | Total Height | 208±2mm(8.19 inches) |
| | Height | 205±2mm(8.07 inches) |
| | Length | 171±2mm(6.73 inches) |
| | Width | 72±1mm(2.83 inches) |
| Weight Approx | | 5kg(11.04 lbs)±4% |

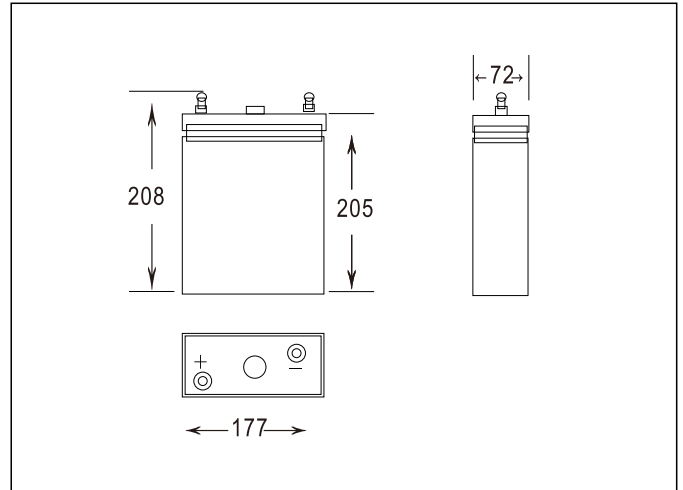
● Characteristics

| | | |
|--|---|---|
| Capacity 25°C(77°F) | 10 hour rate(10A) 5 hour rate(18A) 1 hour rate(60A) | 100 AH 90 AH 60AH |
| Internal Resistance | Full charged Battery at 25°C(77°F) | 0.8mΩ |
| 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 20 A Voltage 2.40-2.45V |
| | Float | Voltage 2.25-2.30V |

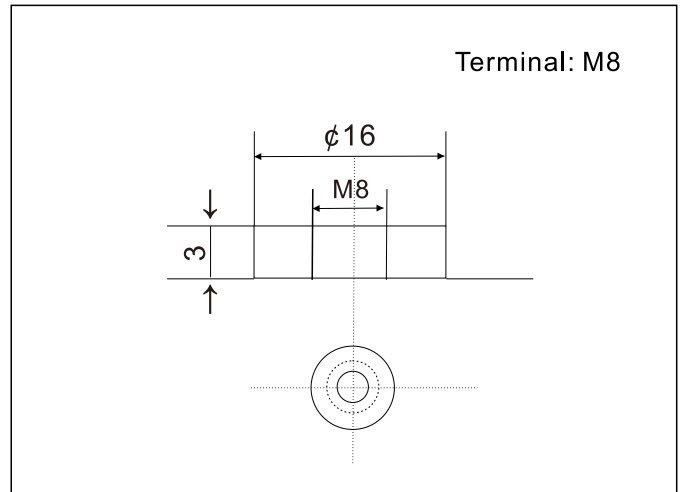
● Applications

- Cable Television
- Computers
- Wind power systems
- Electronic instruments
- Medical equipment
- Alarm and security systems
- Electric power system
- Solar power systems
- Telecommunication equipments
- Uninterruptible power supplies

● Outer Dimensions (mm)



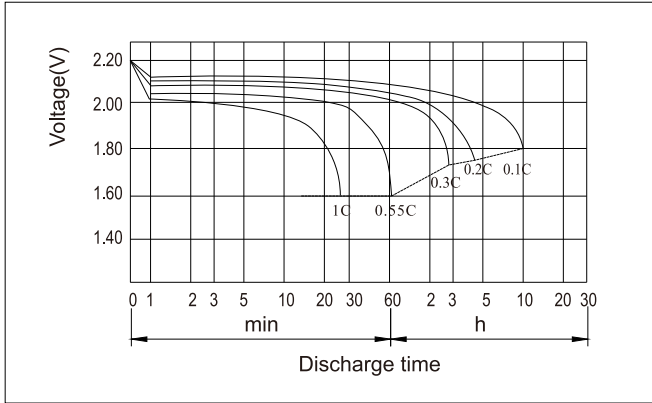
● Terminal Type (mm)



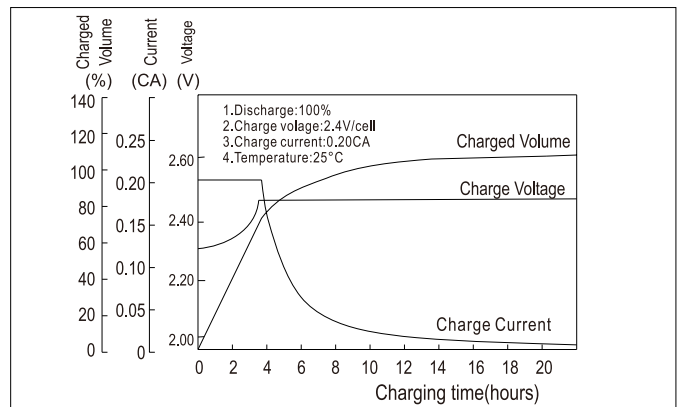
Constant Current(AMP) and Constant Power(Watt) Discharge Table at 25°C(77°F)

| Time | | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|-------|---|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V | A | 135 | 90.0 | 60.0 | 36.5 | 26.0 | 20.9 | 18.2 | 15.6 | 12.2 | 10.2 | 5.34 |
| | W | 247 | 168 | 114 | 70.5 | 51.0 | 41.0 | 35.8 | 30.7 | 24.4 | 20.3 | 10.7 |
| 1.65V | A | 132 | 88.2 | 59.1 | 36.3 | 25.9 | 20.8 | 18.0 | 15.5 | 12.2 | 10.2 | 5.33 |
| | W | 241 | 165 | 112 | 70.1 | 50.7 | 40.7 | 35.6 | 30.6 | 24.2 | 20.2 | 10.7 |
| 1.70V | A | 127 | 85.5 | 57.6 | 36.0 | 25.7 | 20.6 | 17.9 | 15.4 | 12.1 | 10.1 | 5.32 |
| | W | 232 | 160 | 109 | 69.5 | 50.3 | 40.5 | 35.3 | 30.4 | 24.0 | 20.2 | 10.6 |
| 1.75V | A | 123 | 83.4 | 56.5 | 35.5 | 25.5 | 20.5 | 17.8 | 15.3 | 12.0 | 10.1 | 5.29 |
| | W | 224 | 156 | 107 | 68.4 | 50.0 | 40.2 | 35.1 | 30.1 | 23.9 | 20.0 | 10.6 |
| 1.80V | A | 116 | 80.4 | 54.7 | 34.6 | 24.7 | 19.9 | 17.3 | 14.8 | 11.6 | 10.0 | 5.25 |
| | W | 212 | 150 | 104 | 66.7 | 48.5 | 39.0 | 34.0 | 29.2 | 23.2 | 19.9 | 10.5 |

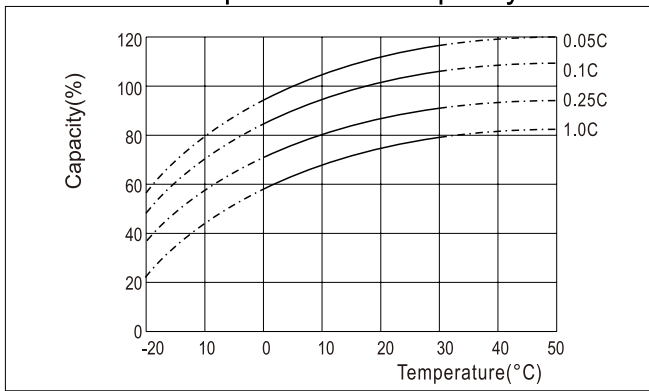
● Discharge Characteristics(25°C)



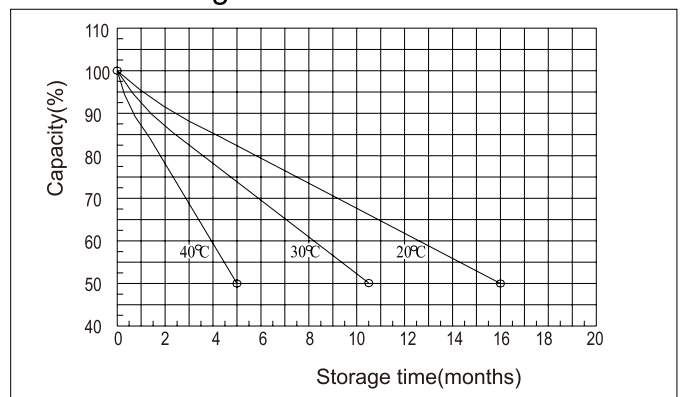
● Charging Characteristics(25°C)



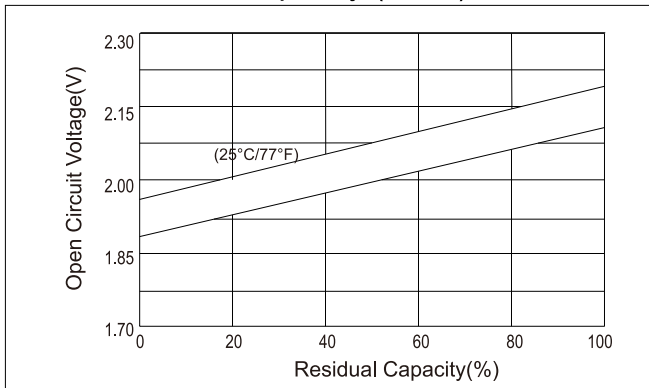
● Effect of Temperature on Capacity



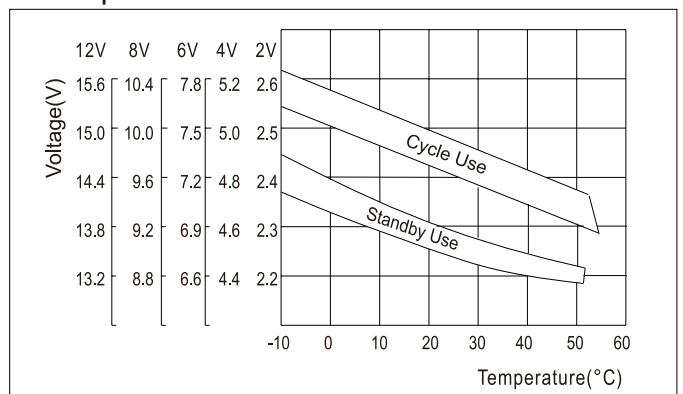
● Self-discharge Characteristics



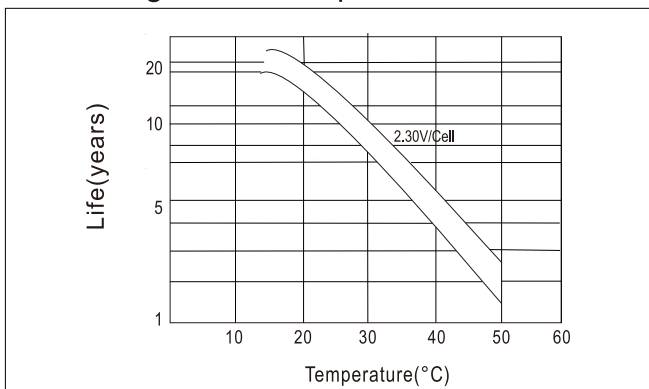
● The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



● The Relationship for Charging Voltage and Temperature



● Floating Life on Temperature



● Cycle Life on D.O.D (25°C)

