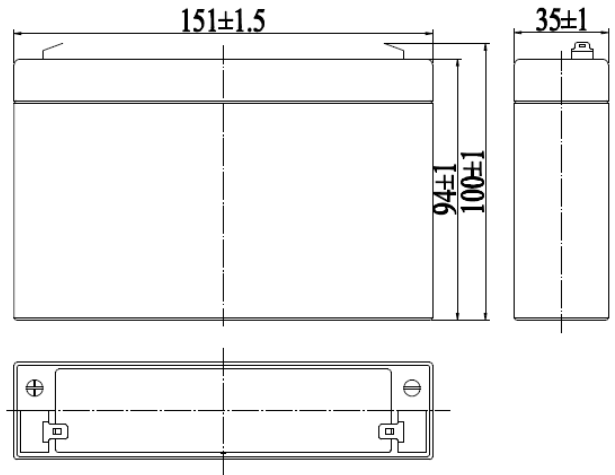
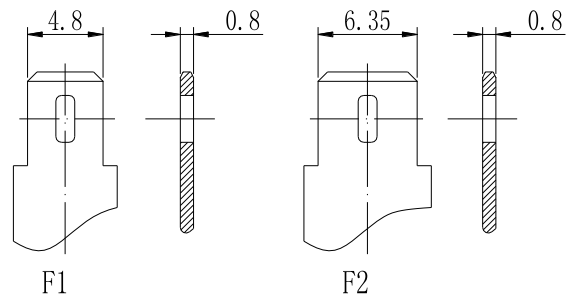


Specifications

| | | |
|---|--------------|---|
| Nominal Voltage | | 6 V |
| Capacity (25°C) | 20HR(5.25V) | 7.2Ah |
| | 10HR(5.25V) | 6.7Ah |
| | 1HR(4.80V) | 4.7Ah |
| Dimension | Length | 151 ± 1.5mm (5.94inch) |
| | Width | 35 ± 1mm (1.38inch) |
| | Height | 94 ± 1mm (3.70inch) |
| | Total Height | 100 ± 1mm (3.94inch) |
| Approx. Weight | | 1.15kg (2.54lbs) ± 5% |
| Terminal type | | F1/F2 |
| Internal resistance (Fully charged, 25°C) | | Approx. 16mΩ |
| Capacity affected by temperature (20HR) | 40°C | 102% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-discharge (25°C) | 3 month | Remaining Capacity: 91% |
| | 6 month | Remaining Capacity: 82% |
| | 12 month | Remaining Capacity: 65% |
| Nominal operating temperature | | 25°C ± 3°C (77°F ± 5°F) |
| Operating temperature range | Discharge | -15°C ~ 50°C (5°F ~ 122°F) |
| | Charge | -10°C ~ 50°C (14°F ~ 122°F) |
| | Storage | -20°C ~ 50°C (-4°F ~ 122°F) |
| Float charging voltage(25°C) | | 6.80 to 6.90V Temperature compensation: -9mV/°C |
| Cyclic charging voltage(25°C) | | 7.25 to 7.50V Temperature compensation: -15mV/°C |
| Maximum charging current | | 2.16A |
| Maximum discharge current | | 108A(5 sec.) |
| Designed floating life(20°C) | | 5 years |


Dimensions

Terminal

Constant Current Discharge Characteristics (A, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 4.80V | 27.5 | 17.4 | 13.6 | 7.67 | 4.72 | 2.58 | 1.78 | 1.48 | 1.26 | 0.68 | 0.37 |
| 4.95V | 26.7 | 16.9 | 13.3 | 7.51 | 4.65 | 2.56 | 1.77 | 1.47 | 1.25 | 0.68 | 0.36 |
| 5.10V | 25.6 | 16.2 | 12.8 | 7.28 | 4.53 | 2.54 | 1.76 | 1.46 | 1.24 | 0.68 | 0.36 |
| 5.25V | 24.5 | 15.5 | 12.4 | 7.11 | 4.44 | 2.50 | 1.75 | 1.45 | 1.23 | 0.67 | 0.36 |
| 5.40V | 23.1 | 14.6 | 11.7 | 6.85 | 4.30 | 2.44 | 1.70 | 1.40 | 1.19 | 0.66 | 0.35 |

Constant Power Discharge Characteristics (Watt, 25°C)

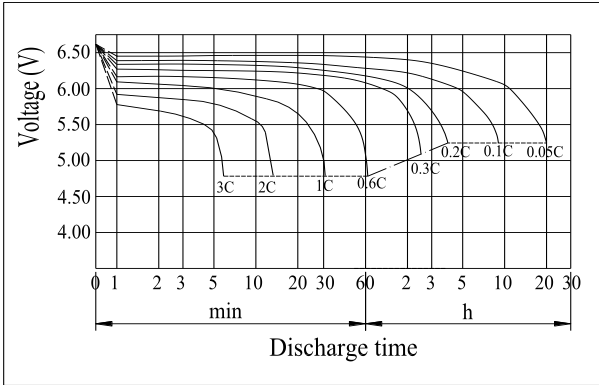
| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|
| 4.80V | 153 | 98.3 | 77.6 | 43.9 | 27.3 | 15.1 | 10.6 | 8.79 | 7.50 | 4.09 | 2.19 |
| 4.95V | 149 | 95.3 | 75.7 | 43.1 | 26.9 | 15.0 | 10.5 | 8.74 | 7.45 | 4.07 | 2.18 |
| 5.10V | 143 | 91.4 | 72.9 | 41.7 | 26.2 | 14.9 | 10.5 | 8.68 | 7.40 | 4.05 | 2.17 |
| 5.25V | 137 | 87.5 | 70.4 | 40.7 | 25.7 | 14.6 | 10.4 | 8.62 | 7.35 | 4.03 | 2.16 |
| 5.40V | 129 | 82.5 | 66.7 | 39.2 | 24.9 | 14.3 | 10.1 | 8.36 | 7.13 | 3.95 | 2.12 |

Note: The above characteristics data can be obtained within three charge/discharge cycles.

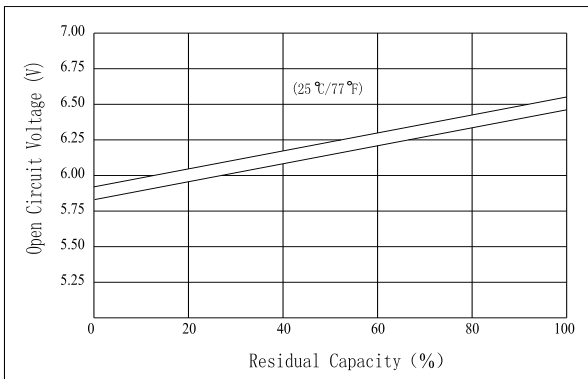
Construction

| Component | Positive plate | Negative plate | Container | Cover | Separator | Electrolyte | Safety valve | Terminal |
|--------------|----------------|----------------|-----------|-------|-----------|---------------|--------------|----------|
| Raw material | Lead dioxide | Lead | ABS | ABS | AGM | Sulfuric acid | Rubber | Copper |

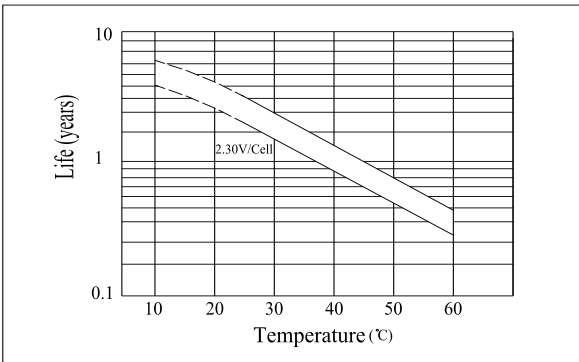
Discharge Characteristics(25°C)



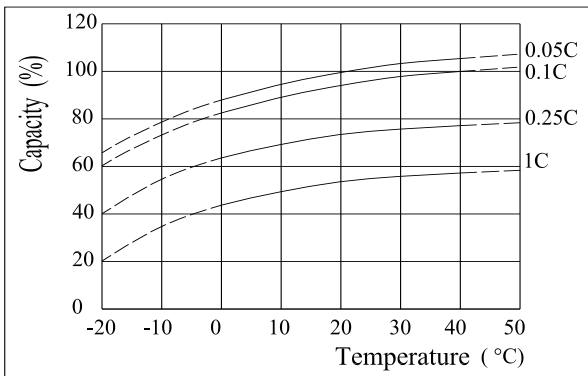
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



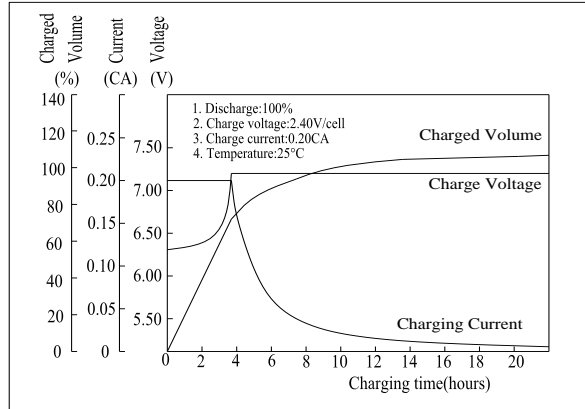
Floating Life on Temperature



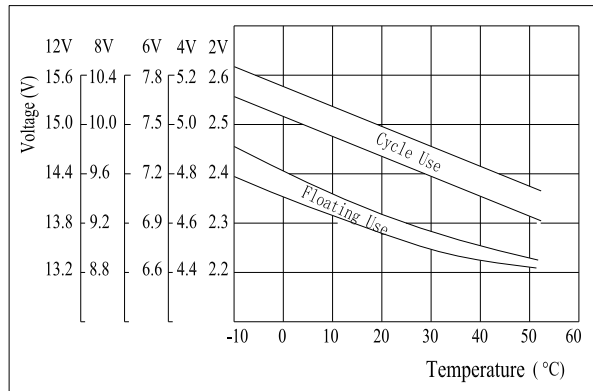
Effect of Temperature on Capacity



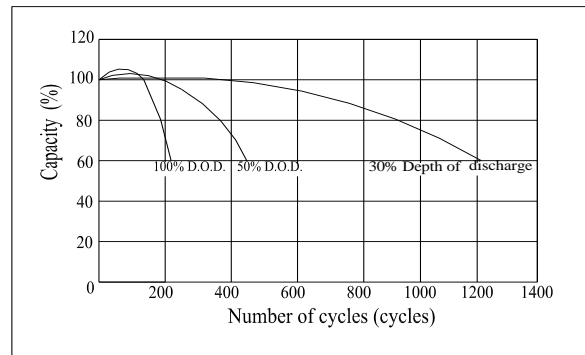
Charging Characteristics(25°C)



The Relationship for Charging Voltage and Temperature



Cycle Life on D.O.D(25°C)



Self-discharge Characteristics

