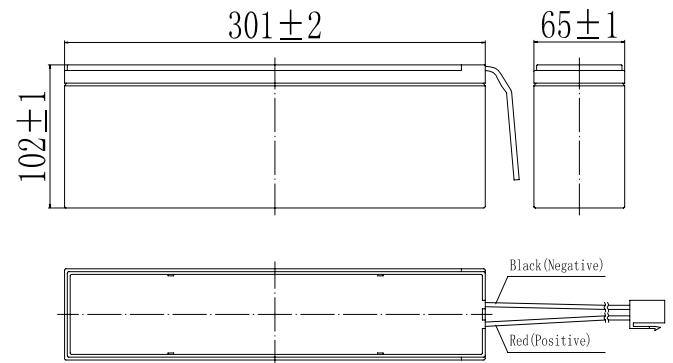


Specifications

| | | |
|--|--------------|--|
| Nominal Voltage | | 24 V |
| Capacity (25°C) | 20HR(21.0V) | 10Ah |
| | 10HR(21.0V) | 9.3Ah |
| | 1HR(19.2V) | 6.57Ah |
| Dimension | Length | 301 ± 2mm (11.85inch) |
| | Width | 65 ± 1mm (2.56inch) |
| | Height | 102 ± 1mm (4.02inch) |
| | Total Height | 102 ± 1mm (4.02inch) |
| Approx. Weight | | 5.6kg (12.35lbs) ± 5% |
| Terminal type | | Plug |
| Internal resistance (Fully charged, 25°C) | | Approx. 50mΩ |
| 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) | | 27.2 to 27.6V Temperature compensation: -36mV/°C |
| Cyclic charging voltage(25°C) | | 29.0 to 29.8V Temperature compensation: -60mV/°C |
| Maximum charging current | | 3A |
| Terminal material | | Wire Plug |
| Maximum discharge current | | 20A(5 sec.) |
| Designed floating life(20°C) | | 3~5 years |

Dimensions



- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

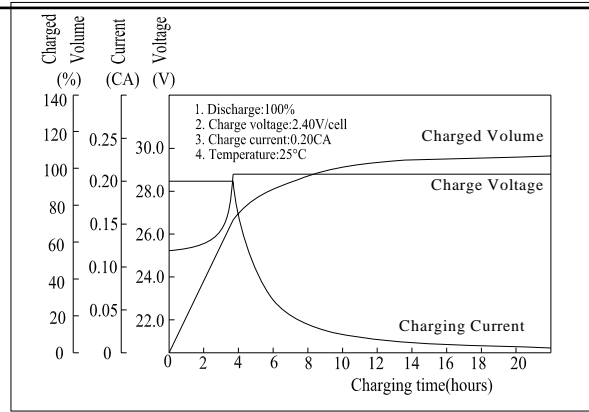
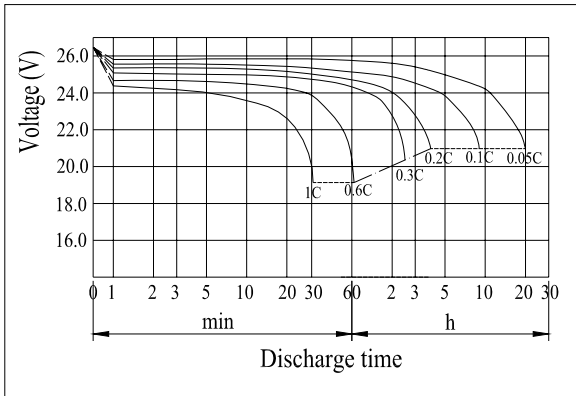
| F.V/TIME | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 19.2V | -- | -- | -- | 6.57 | 3.55 | 2.55 | 2.04 | 1.73 | 1.12 | 0.94 | 0.51 |
| 19.8V | -- | -- | -- | 6.47 | 3.53 | 2.54 | 2.03 | 1.72 | 1.12 | 0.94 | 0.51 |
| 20.4V | -- | -- | -- | 6.30 | 3.50 | 2.52 | 2.01 | 1.71 | 1.11 | 0.94 | 0.50 |
| 21.0V | -- | -- | -- | 6.18 | 3.45 | 2.50 | 2.00 | 1.70 | 1.10 | 0.93 | 0.50 |
| 21.6V | -- | -- | -- | 5.99 | 3.36 | 2.43 | 1.94 | 1.65 | 1.07 | 0.91 | 0.49 |

Constant Power Discharge Characteristics (Watt, 25°C)

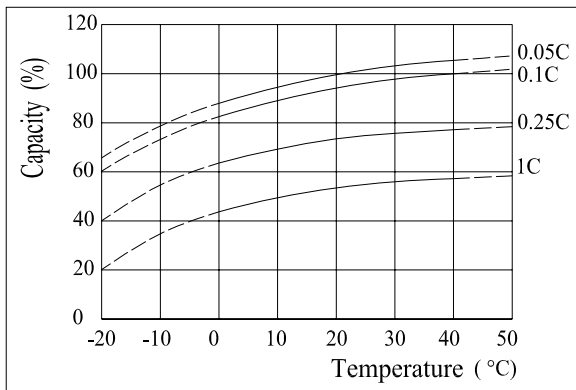
| F.V/TIME | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 19.2V | -- | -- | -- | 152 | 83.1 | 60.6 | 48.6 | 41.4 | 26.9 | 22.7 | 12.2 |
| 19.8V | -- | -- | -- | 150 | 82.6 | 60.2 | 48.3 | 41.2 | 26.8 | 22.6 | 12.1 |
| 20.4V | -- | -- | -- | 146 | 81.9 | 59.8 | 48.0 | 40.9 | 26.6 | 22.5 | 12.1 |
| 21.0V | -- | -- | -- | 143 | 80.7 | 59.4 | 47.6 | 40.6 | 26.4 | 22.3 | 12.0 |
| 21.6V | -- | -- | -- | 139 | 78.6 | 57.6 | 46.2 | 39.4 | 25.6 | 21.9 | 11.8 |

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

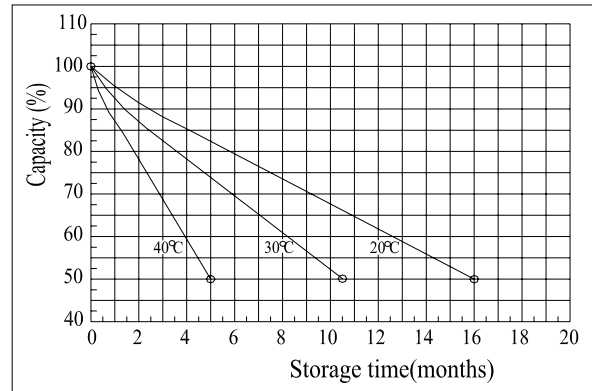
Discharge Characteristics(25°C)



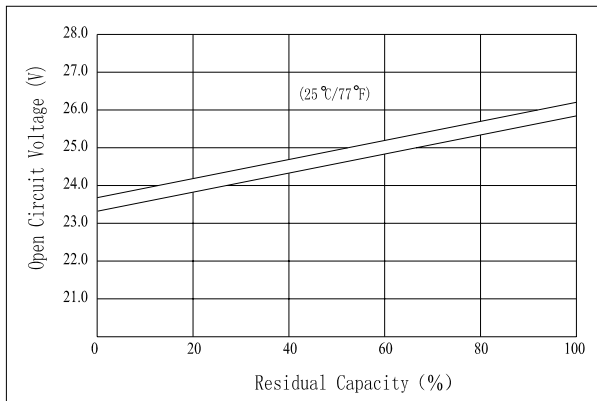
Effect of Temperature on Capacity



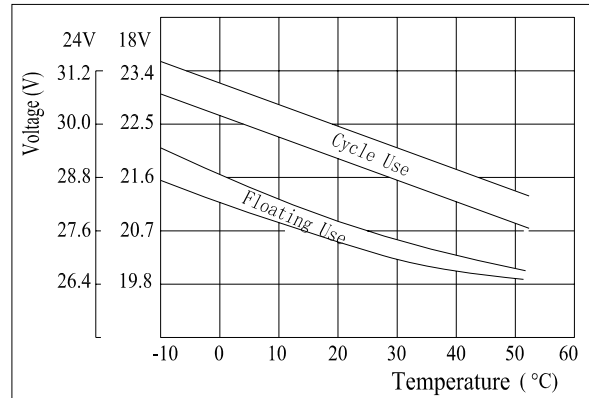
Self-discharge Characteristics



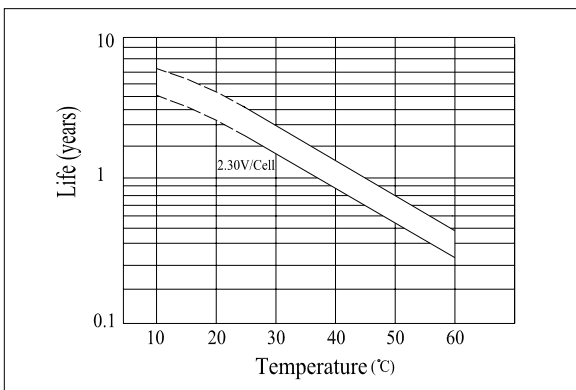
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



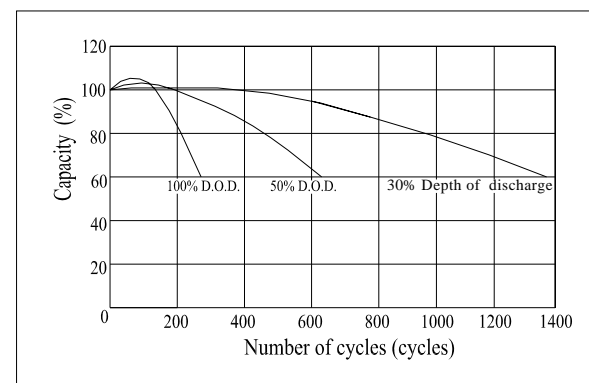
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)