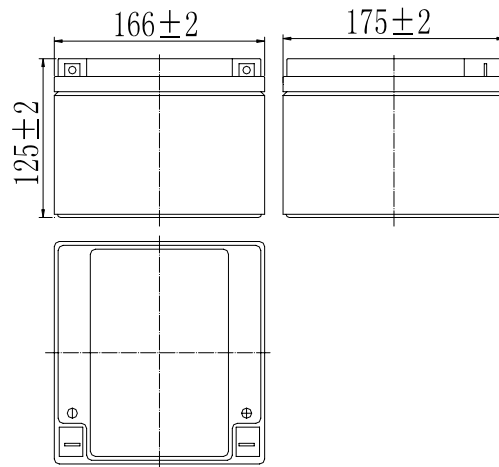


Specifications

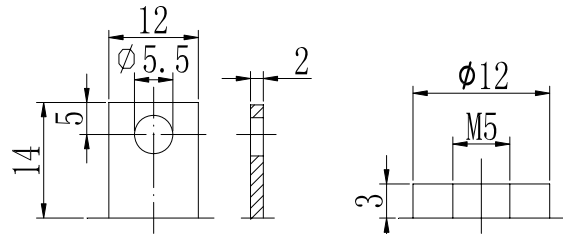
| | | |
|---|--------------|---|
| Nominal Voltage | | 12 V |
| Capacity (25°C) | 20HR(10.5V) | 28 Ah |
| | 10HR(10.5V) | 26Ah |
| | 1HR(9.60V) | 17.6Ah |
| Dimension | Length | 166±2mm (6.54inch) |
| | Width | 175±2mm (6.89inch) |
| | Height | 125±2mm (4.92inch) |
| | Total Height | 125±2mm (4.92inch) |
| Approx. Weight | | 8.6kg (19.0lbs)±4% |
| Terminal type | | T3/T8 |
| Internal resistance (Fully charged, 25°C) | | Approx. 10mΩ |
| 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) | | 13.60 to 13.80V Temperature compensation: -18mV/°C |
| Cyclic charging voltage(25°C) | | 14.50 to 14.90V Temperature compensation: -30mV/°C |
| Maximum charging current | | 8.4A |
| Terminal material | | Copper |
| Maximum discharge current | | 420A(5 sec.) |
| Designed floating life(20°C) | | 10years |



Dimensions



Terminal



Terminal T3

Terminal T8

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

Constant Current Discharge Characteristics (A, 25°C)

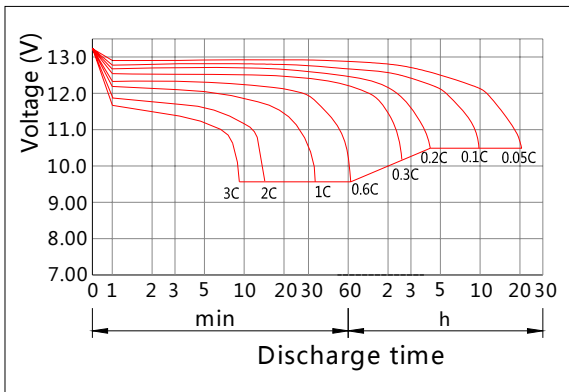
| F.V/TIME | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 9.60V | 64.8 | 51.3 | 28.6 | 17.6 | 9.95 | 7.14 | 5.71 | 4.86 | 3.14 | 2.64 | 1.42 |
| 9.90V | 62.9 | 50.1 | 28.0 | 17.3 | 9.89 | 7.10 | 5.68 | 4.83 | 3.12 | 2.63 | 1.42 |
| 10.2V | 60.3 | 48.2 | 27.2 | 16.8 | 9.80 | 7.05 | 5.64 | 4.79 | 3.10 | 2.62 | 1.41 |
| 10.5V | 57.7 | 46.6 | 26.5 | 16.5 | 9.65 | 7.00 | 5.60 | 4.76 | 3.08 | 2.60 | 1.40 |
| 10.8V | 54.4 | 44.1 | 25.6 | 16.0 | 9.41 | 6.79 | 5.43 | 4.62 | 2.99 | 2.55 | 1.37 |

Constant Power Discharge Characteristics (Watt, 25°C)

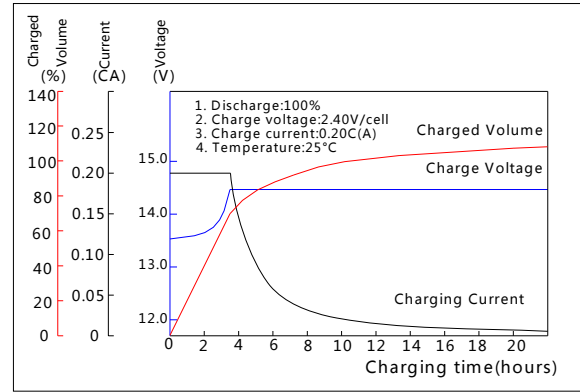
| F.V/TIME | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-----|------|------|------|------|------|------|
| 9.60V | 731 | 585 | 328 | 203 | 116 | 84.8 | 68.0 | 58.0 | 37.7 | 31.7 | 17.1 |
| 9.90V | 709 | 571 | 321 | 200 | 116 | 84.3 | 67.6 | 57.6 | 37.5 | 31.6 | 17.0 |
| 10.2V | 680 | 550 | 312 | 195 | 115 | 83.7 | 67.2 | 57.2 | 37.2 | 31.4 | 16.9 |
| 10.5V | 651 | 531 | 304 | 191 | 113 | 83.2 | 66.7 | 56.8 | 37.0 | 31.2 | 16.8 |
| 10.8V | 614 | 503 | 293 | 185 | 110 | 80.7 | 64.7 | 55.1 | 35.9 | 30.6 | 16.5 |

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

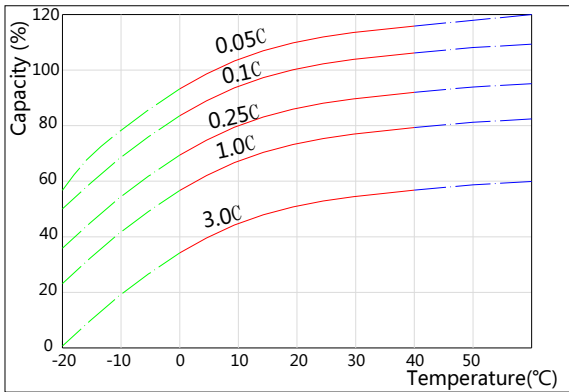
Discharge Characteristics(25°C)



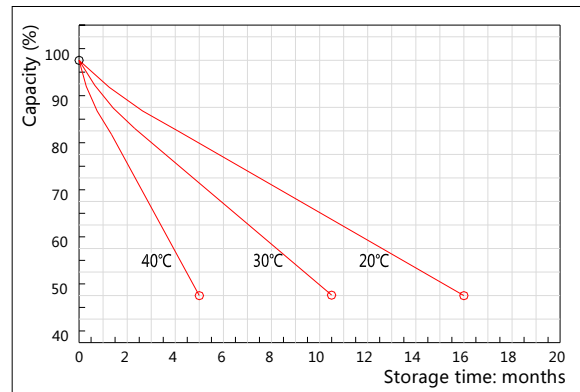
Charging Characteristics(25°C)



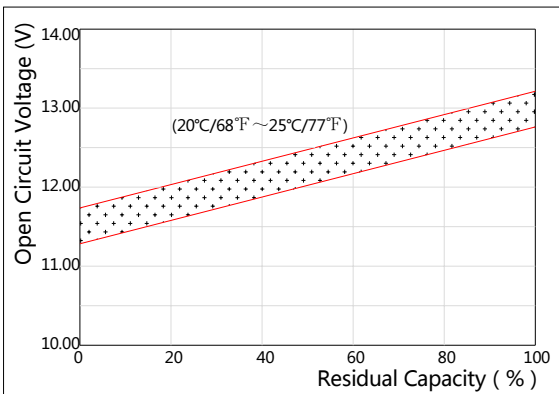
Effect of Temperature on Capacity



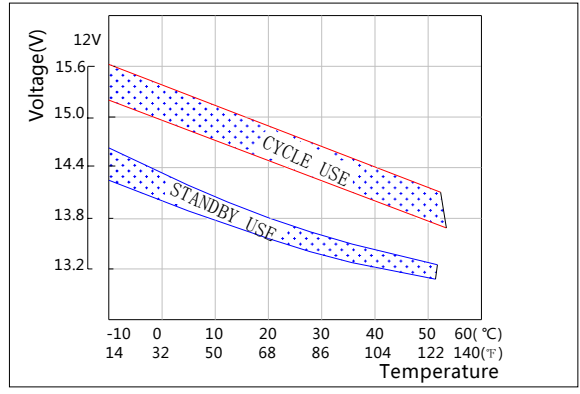
Self-discharge Characteristics



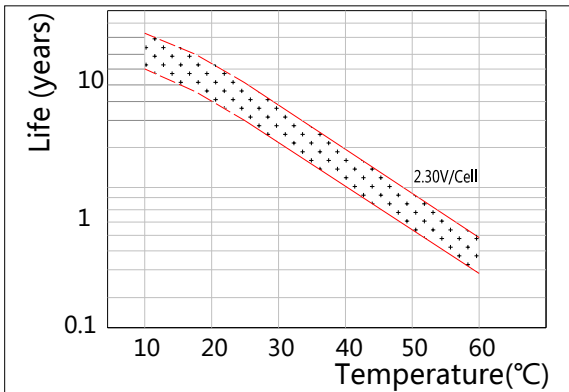
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

