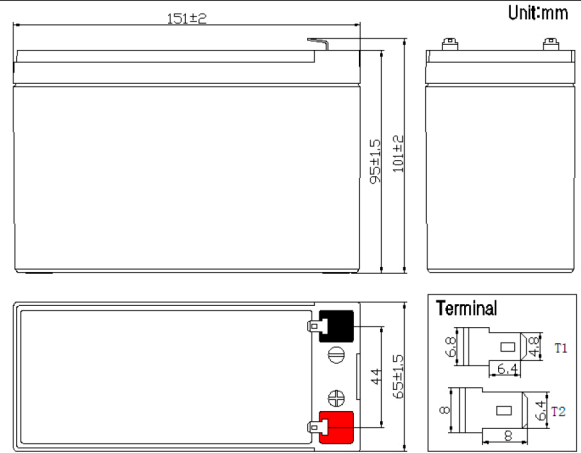


Specifications

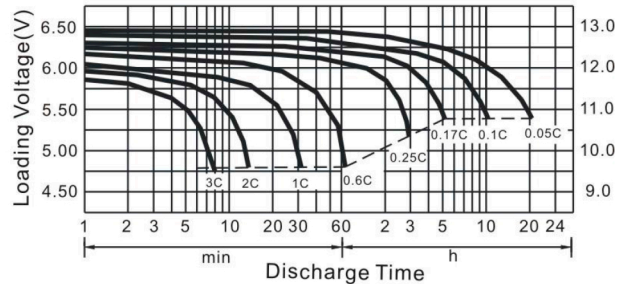
| | | |
|---|---------------------|-----------------|
| Nominal Voltage | | 12V |
| Rated Capacity 77°F(25°C) (20HR) | | 9.0Ah |
| Dimensions (mm) | Length | 151 ± 2 |
| | Width | 65 ± 1.5 |
| | Height | 95 ± 1.5 |
| | Total Height | 101 ± 2 |
| Approx. Weight (kg) | | 2.44 |
| Terminal | | T1/T2 |

Characteristic

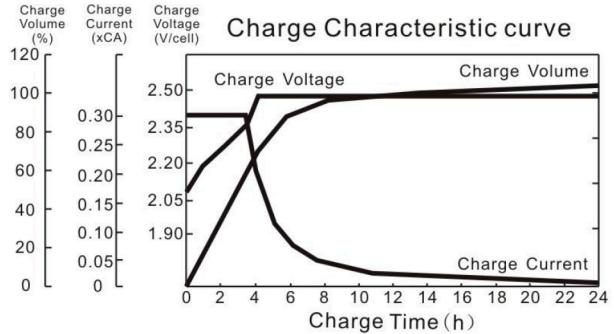
| | | |
|---|--|--|
| Capacity 77°F(25°C) | 20HR (0.400A) | 9.00Ah |
| | 10HR (0.744A) | 7.44Ah |
| | 5HR (1.36A) | 6.80Ah |
| | 1HR (4.88A) | 4.88Ah |
| | 15 min rate (14.8A) | 3.70Ah |
| Internal Resistance | Full Charged Battery 77°F(25°C) | Approx. 20mΩ |
| Temperature dependence of capacity (20HR) | 104°F(40°C) | 102% |
| | 77°F(25°C) | 100% |
| | 32°F(0°C) | 85% |
| | 5°F(-15°C) | 65% |
| Self-Discharge 68°F(20°C) (Capacity after) | 3 months | 90% |
| | 6 months | 80% |
| | 12 months | 60% |
| Max. Discharge Current, 77°F(25°C) | | 120A(5s) |
| Floating design life, 77°F(25°C) | | 5 years |
| Constant Voltage Charge, 77°F(25°C) | Cycle | 14.5~14.9V(-24mV/°C) max. current: 2.4A |
| | Float | 13.6~13.8V(-18mV/°C) |



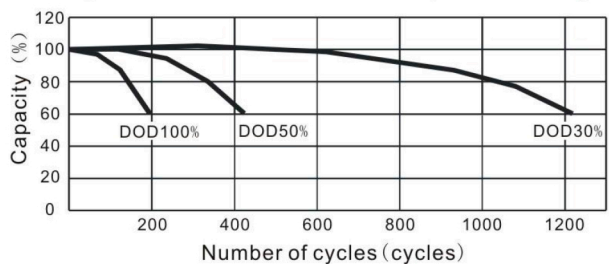
Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Cycle service life in relation to depth of discharge



Constant Current Discharge Characteristics (A), 77°F(25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2H | 3H | 5H | 8H | 10H | 20H |
|------------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| 1.60V/cell | 30.4 | 19.20 | 14.80 | 8.00 | 5.06 | 2.86 | 2.09 | 1.408 | 0.936 | 0.768 | 0.412 |
| 1.70V/cell | 28.9 | 18.24 | 14.14 | 7.65 | 4.88 | 2.74 | 2.04 | 1.384 | 0.928 | 0.760 | 0.408 |
| 1.75V/cell | 28.3 | 17.84 | 13.88 | 7.49 | 4.79 | 2.70 | 2.00 | 1.360 | 0.912 | 0.744 | 0.404 |
| 1.80V/cell | 27.8 | 17.44 | 13.63 | 7.34 | 4.71 | 2.65 | 1.97 | 1.336 | 0.904 | 0.736 | 0.400 |

Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2H | 3H | 5H | 8H | 10H | 20H |
|------------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|
| 1.60V/cell | 55.2 | 35.20 | 27.38 | 14.94 | 9.54 | 5.42 | 4.00 | 2.720 | 1.832 | 1.512 | 0.816 |
| 1.70V/cell | 53.0 | 33.76 | 26.38 | 14.40 | 9.27 | 5.26 | 3.94 | 2.696 | 1.824 | 1.504 | 0.808 |
| 1.75V/cell | 52.4 | 33.28 | 26.14 | 14.22 | 9.18 | 5.22 | 3.90 | 2.672 | 1.808 | 1.488 | 0.804 |
| 1.80V/cell | 51.8 | 32.88 | 25.90 | 14.08 | 9.11 | 5.16 | 3.87 | 2.648 | 1.792 | 1.472 | 0.800 |