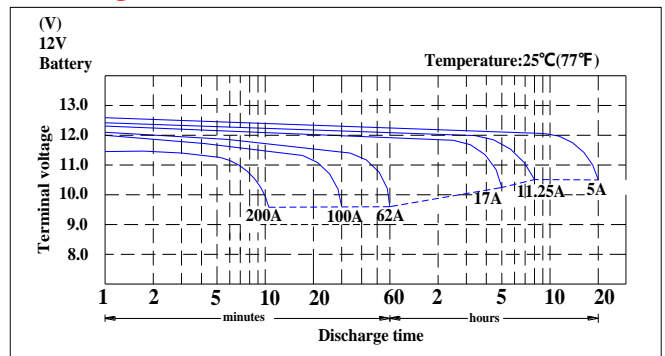


Specifications

| | | |
|--|-------------------------------|--------------------------|
| Nominal Voltage | | 12V |
| Rated Capacity (20 hour rate to 1.75Vpc) | | 100AH |
| Rated Capacity (10 hour rate to 1.75Vpc) | | 95AH |
| Dimension | Total Height (with terminals) | 227mm(8.94 inches) |
| | Height | 227mm(8.94 inches) |
| | Length | 508mm(20.0inches) |
| | Width | 111mm(4.37inches) |
| Weight | | Approx.31.0kg (68.34lbs) |

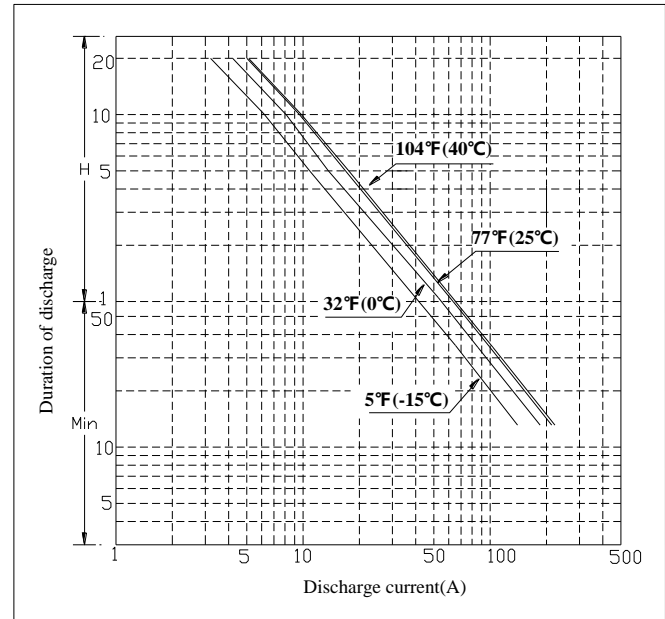
Discharge characteristics 77°F (25°C)



Characteristics

| | | |
|---|-----------------------------------|--|
| Capacity 77°F (25°C) | 8 hour rate (11.25A to 10.5Volts) | 90AH |
| | 5 hour rate (17A to 10.2Volts) | 85AH |
| | 1 hour rate (62A to 9.6Volts) | 62AH |
| Internal Resistance | Full charged 77°F (25°C) | 3.8m Ω |
| Standard Terminal | M8 | |
| Capacity affected by Temperature (20 hour rate) | 104°F (40°C) | 102% |
| | 77°F (25°C) | 100% |
| | 32°F (0°C) | 85% |
| | 5°F (-15°C) | 65% |
| Self-Discharge 77°F (25°C) | Capacity after 3 month storage | 91% |
| | Capacity after 6 month storage | 82% |
| | Capacity after 12 month storage | 64% |
| Max. Discharge Current 77°F (25°C) | | 1000A (5s) |
| Charging (Constant Voltage) | Cycle | Initial Charging Current 20A Or Small 14.4V~14.9V/77°F (25°C) |
| | Float | 13.5V~13.8V/77°F (25°C) |

Duration of discharge vs. Discharge current



Constant wattage discharge(Watts per cell @ 25°C)

| Cut off voltage V/cell | 10M | 15M | 30M | 45M | 1H | 2H | 3H | 5H | 8H | 10H | 12H | 24H |
|------------------------|-----|-----|-----|-----|-------|------|------|------|------|-------|-------|------|
| 1.67 | 410 | 342 | 206 | 164 | 129.2 | 77.7 | 52.5 | 35.8 | 23.7 | 19.95 | 17.20 | 9.14 |
| 1.70 | 386 | 328 | 202 | 160 | 128.3 | 77.1 | 52.2 | 35.8 | 23.6 | 19.95 | 17.20 | 9.14 |
| 1.75 | 366 | 313 | 198 | 156 | 126.4 | 76.0 | 51.6 | 35.3 | 23.2 | 19.76 | 17.20 | 9.14 |
| 1.80 | 358 | 299 | 189 | 152 | 124.5 | 74.3 | 51.0 | 34.9 | 22.8 | 19.38 | 16.91 | 9.14 |

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.