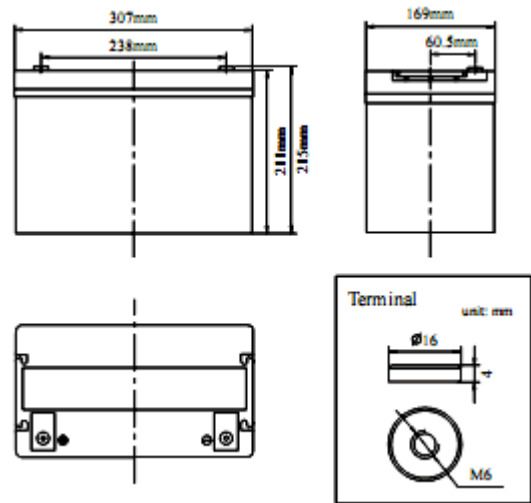


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 100Ah |
| Capacity 25°C (77°F) | 10 hour rate (9.0A) | 90.0Ah |
| | 5 hour rate (15.9A) | 79.5Ah |
| | 1 hour rate (55.4A) | 55.4Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤5.3mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 85% |
| | -15°C (5°F) | 65% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 90% |
| | after 6 month storage | 80% |
| | after 12 month storage | 62% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 20A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 20A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 307mm |
| | Width | 169mm |
| | Height | 211mm |
| | Total Height | 216mm |
| Box Dimensions | Length | 322mm |
| | Width | 184mm |
| | Height | 251mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 30 kg±3% |
| Net weight Per Box | | 30.2kg |
| Gross Weight | | 30.7kg |

Discharge Constant Current per Cell (Amperes at 77°F/25°C)

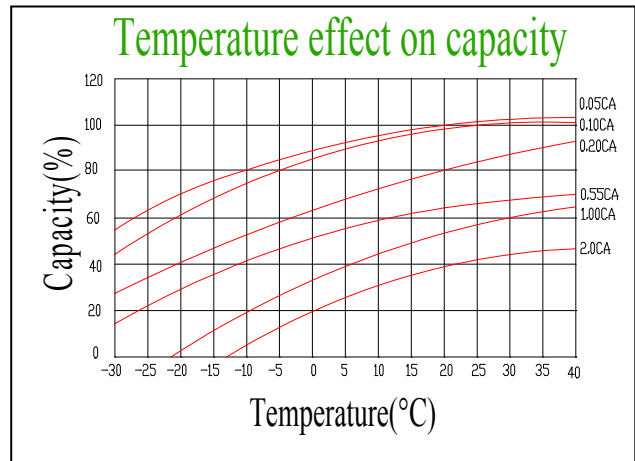
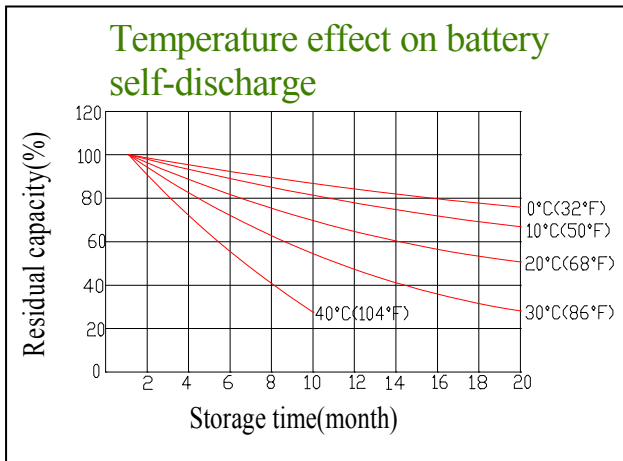
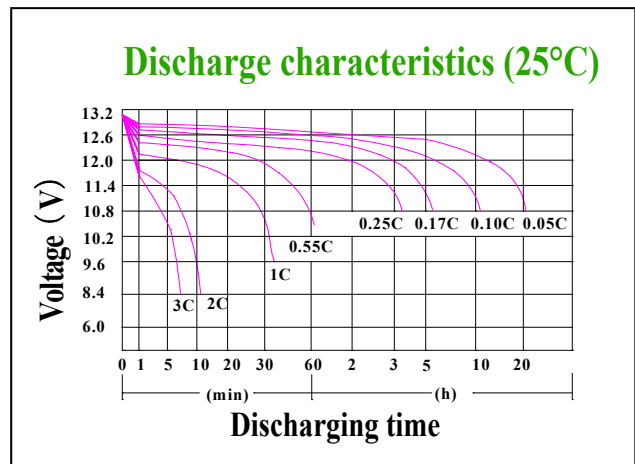
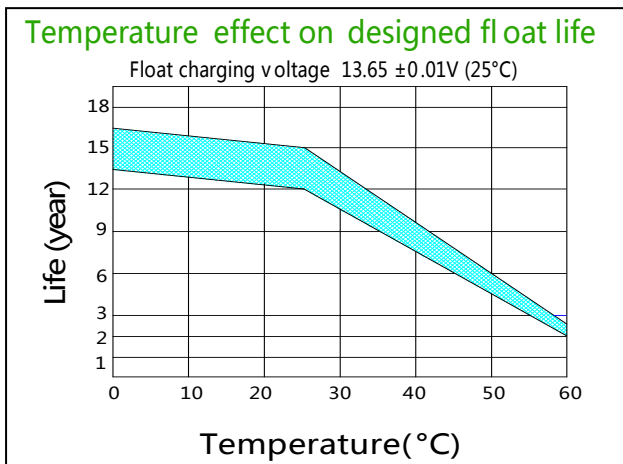
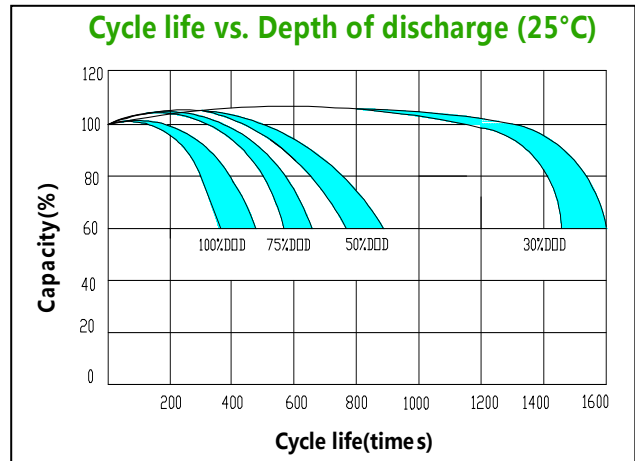
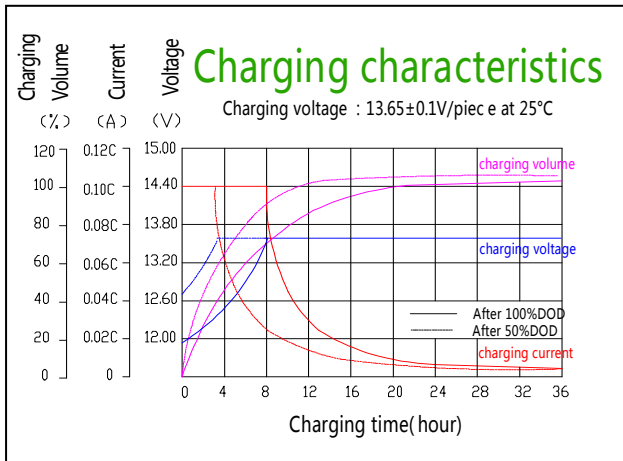
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|-----|------|
| 1.60V | 237.6 | 151.5 | 128.7 | 82.2 | 60.4 | 55.4 | 35.2 | 24.8 | 16.8 | 11.1 | 9.9 | 5.5 |
| 1.65V | 233.3 | 148.7 | 126.4 | 80.7 | 59.3 | 54.4 | 34.6 | 24.3 | 16.5 | 10.9 | 9.7 | 5.4 |
| 1.70V | 229.0 | 146.0 | 124.0 | 79.2 | 58.2 | 53.4 | 34.0 | 23.9 | 16.2 | 10.7 | 9.5 | 5.3 |
| 1.75V | 224.6 | 143.2 | 121.7 | 77.7 | 57.1 | 52.4 | 33.3 | 23.4 | 15.9 | 10.5 | 9.4 | 5.2 |
| 1.80V | 216.0 | 137.7 | 117.0 | 74.7 | 54.9 | 50.4 | 32.0 | 22.5 | 15.3 | 10.1 | 9.0 | 5.00 |

Discharge Constant Power per Cell (Watts at 77°F 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1.60V | 457.4 | 291.6 | 247.7 | 158.2 | 116.3 | 106.7 | 67.8 | 47.6 | 32.4 | 21.3 | 19.1 | 10.6 |
| 1.65V | 449.1 | 286.3 | 243.2 | 155.3 | 114.1 | 104.8 | 66.6 | 46.8 | 31.8 | 21.0 | 18.7 | 10.4 |
| 1.70V | 440.7 | 281.0 | 238.7 | 152.4 | 112.0 | 102.8 | 65.4 | 45.9 | 31.2 | 20.6 | 18.4 | 10.2 |
| 1.75V | 432.4 | 275.7 | 234.2 | 149.5 | 109.9 | 100.9 | 64.1 | 45.0 | 30.6 | 20.2 | 18.0 | 10.0 |
| 1.80V | 415.8 | 265.1 | 225.2 | 143.8 | 105.7 | 97.0 | 61.7 | 43.3 | 29.5 | 19.4 | 17.3 | 9.6 |

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **MCA** for the latest information.

Performance Characteristics



Battery Construction

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