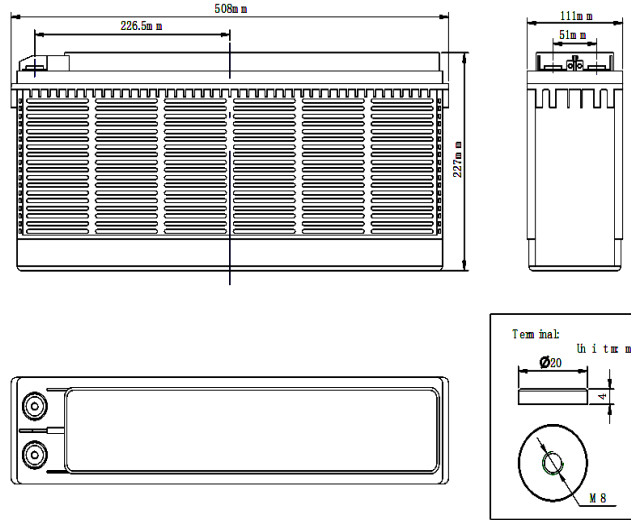


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 100Ah |
| Capacity 25°C (77°F) | 10 hour rate (9.52A) | 95.2Ah |
| | 5 hour rate (17.82A) | 89.1Ah |
| | 1 hour rate (66A) | 66Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤4mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 90% |
| | -15°C (5°F) | 70% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 92% |
| | after 6 month storage | 84% |
| | after 12 month storage | 65% |
| 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 | 508mm |
| | Width | 111mm |
| | Height | 227mm |
| | Total Height | 227mm |
| Box Dimensions | Length | 517mm |
| | Width | 125mm |
| | Height | 287mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 32 kg±400g |
| Net weight Per Box | | 32kg |
| Gross Weight | | 32.5kg |

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

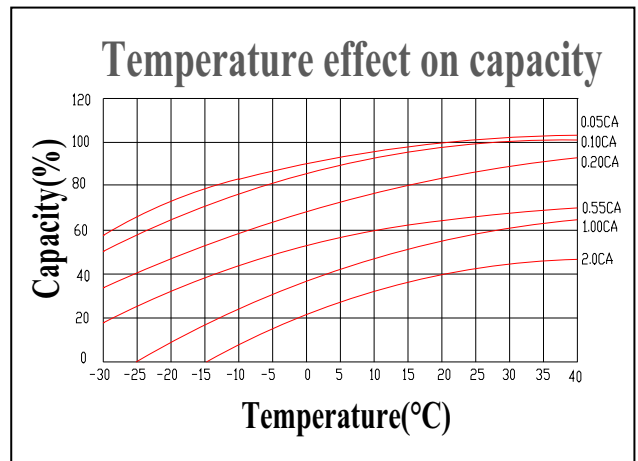
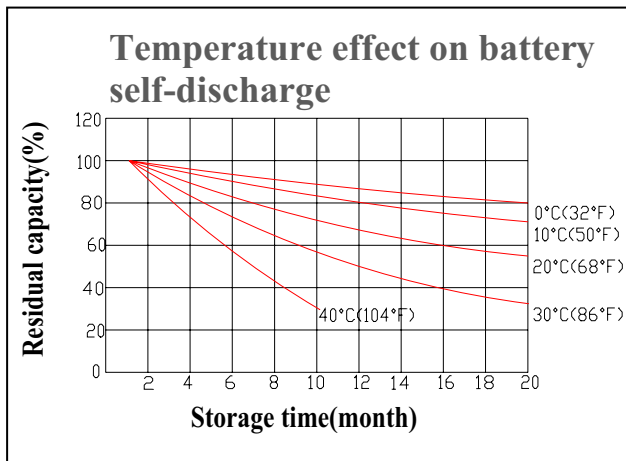
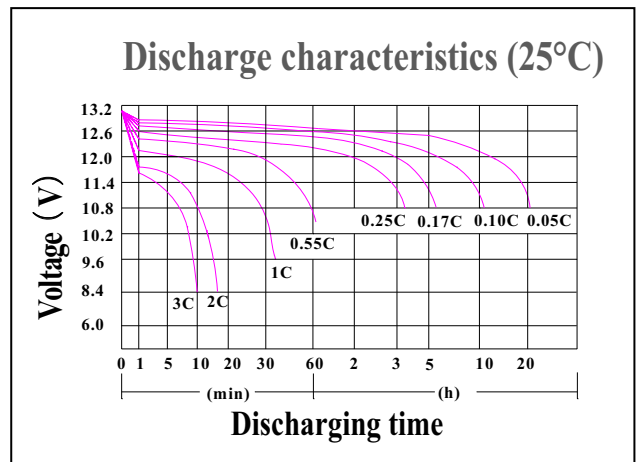
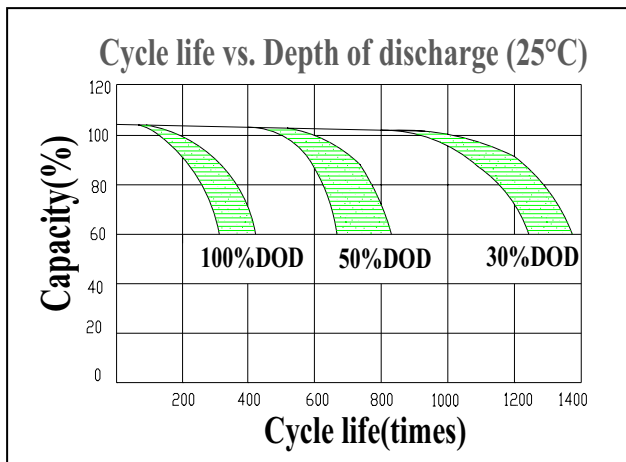
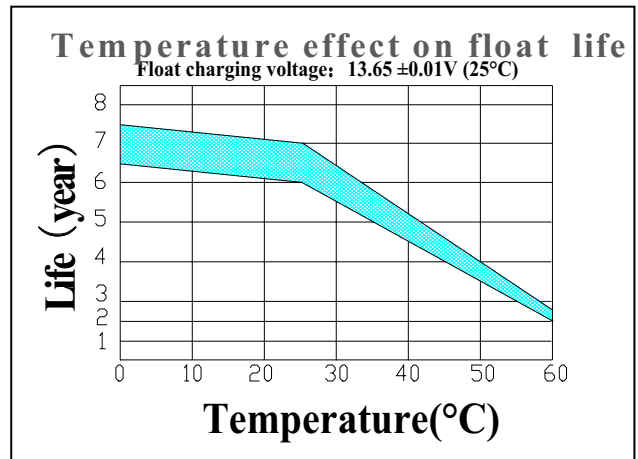
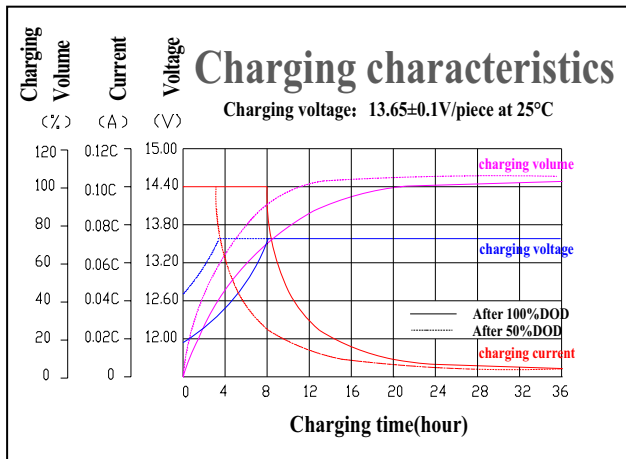
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|------|
| 1.60V | 286.0 | 220.0 | 165.5 | 110.0 | 77.0 | 66.0 | 41.3 | 28.3 | 18.8 | 12.67 | 10.47 | 5.50 |
| 1.65V | 280.8 | 216.0 | 162.5 | 108.0 | 75.6 | 64.8 | 40.5 | 27.8 | 18.5 | 12.44 | 10.28 | 5.40 |
| 1.70V | 275.6 | 212.0 | 159.5 | 106.0 | 74.2 | 63.6 | 39.8 | 27.2 | 18.2 | 12.21 | 10.09 | 5.30 |
| 1.75V | 270.4 | 208.0 | 156.5 | 104.0 | 72.8 | 62.4 | 39.0 | 26.7 | 17.8 | 11.98 | 9.90 | 5.20 |
| 1.80V | 260.0 | 200.0 | 150.5 | 100.0 | 70.0 | 60.0 | 37.5 | 25.7 | 17.1 | 11.52 | 9.52 | 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 | 550.6 | 423.5 | 318.7 | 211.8 | 148.2 | 127.1 | 79.4 | 54.4 | 36.3 | 24.4 | 20.2 | 10.6 |
| 1.65V | 540.5 | 415.8 | 312.9 | 207.9 | 145.5 | 124.7 | 78.0 | 53.4 | 35.6 | 23.9 | 19.8 | 10.4 |
| 1.70V | 530.5 | 408.1 | 307.1 | 204.1 | 142.8 | 122.4 | 76.5 | 52.4 | 35.0 | 23.5 | 19.4 | 10.2 |
| 1.75V | 520.5 | 400.4 | 301.3 | 200.2 | 140.1 | 120.1 | 75.1 | 51.5 | 34.3 | 23.1 | 19.1 | 10.0 |
| 1.80V | 500.5 | 385.0 | 289.7 | 192.5 | 134.8 | 115.5 | 72.2 | 49.5 | 33.0 | 22.2 | 18.3 | 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 | GEL |