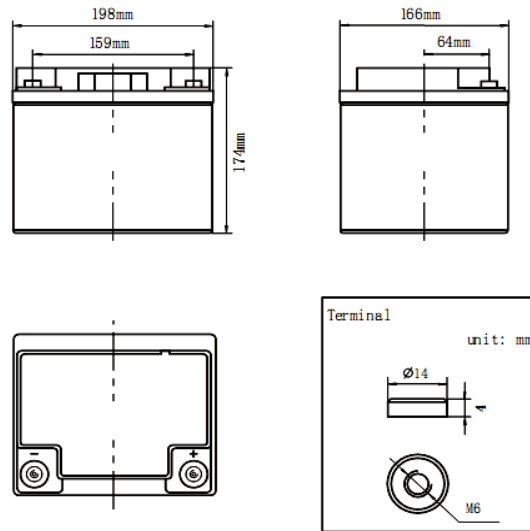


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 40Ah |
| Capacity 25°C (77°F) | 10 hour rate (3.6A) | 36.0Ah |
| | 5 hour rate (6.4A) | 32.0Ah |
| | 1 hour rate (22.2A) | 22.2Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤10mΩ |
| 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 10A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 10A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 198mm |
| | Width | 166mm |
| | Height | 174mm |
| | Total Height | 174mm |
| Box Dimensions | Length | 212mm |
| | Width | 180mm |
| | Height | 220mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 14.2kg±3% |
| Net weight Per Box | | 14.2kg |
| Gross Weight | | 14.6kg |

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

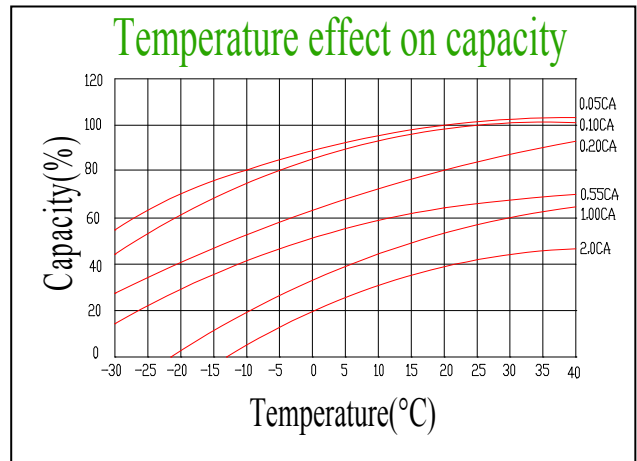
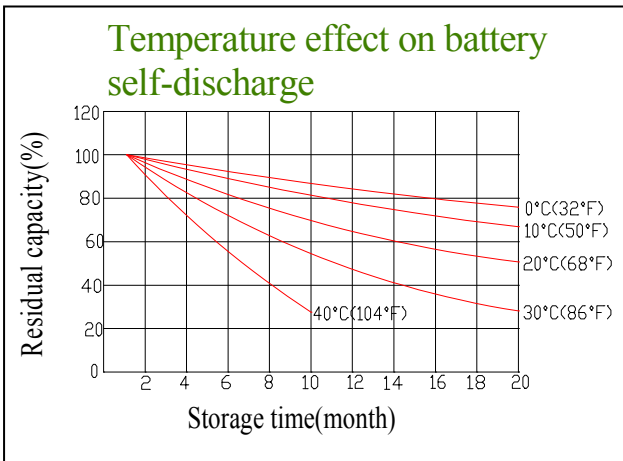
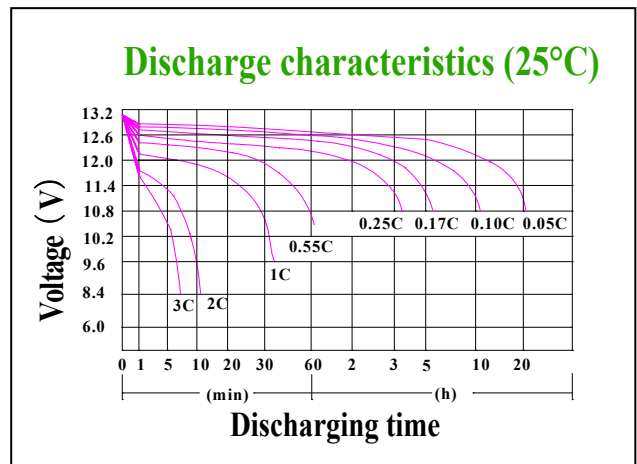
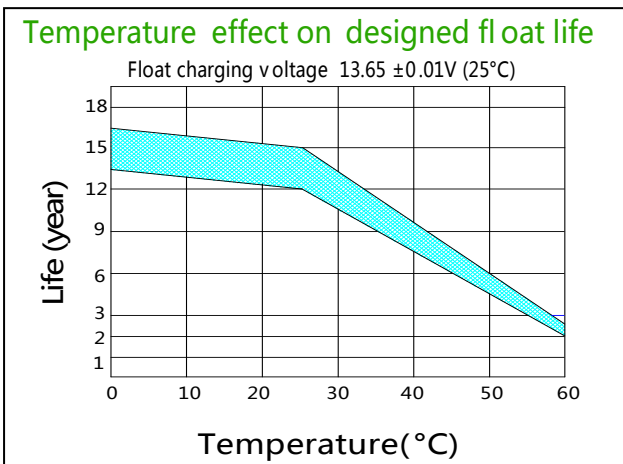
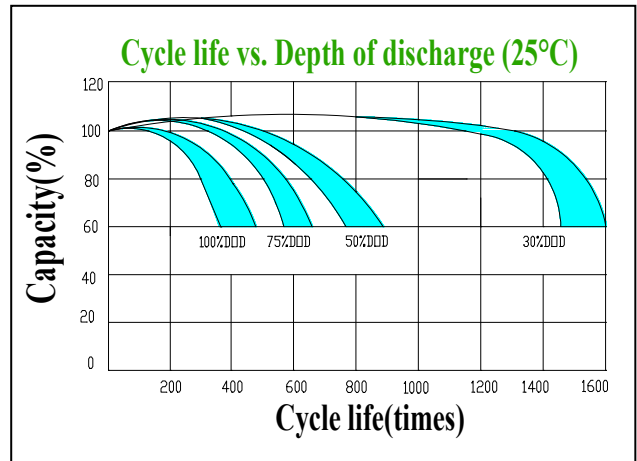
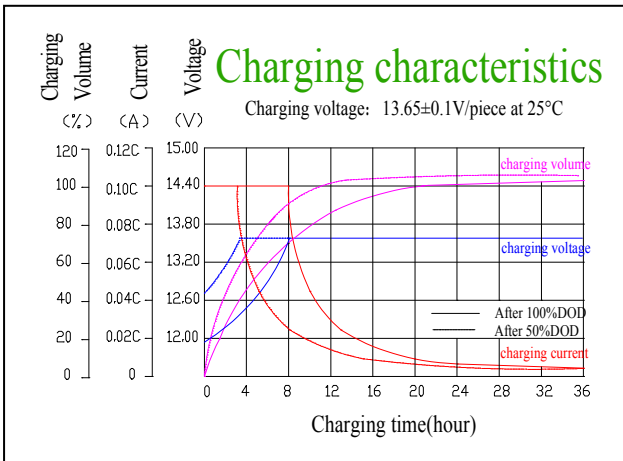
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|-----|-----|-----|-----|------|
| 1.60V | 95.0 | 60.6 | 51.5 | 32.9 | 24.2 | 22.2 | 14.1 | 9.9 | 6.7 | 4.4 | 4.0 | 2.2 |
| 1.65V | 93.3 | 59.5 | 50.5 | 32.3 | 23.7 | 21.8 | 13.8 | 9.7 | 6.6 | 4.4 | 3.9 | 2.16 |
| 1.70V | 91.6 | 58.4 | 49.6 | 31.7 | 23.3 | 21.4 | 13.6 | 9.5 | 6.5 | 4.3 | 3.8 | 2.12 |
| 1.75V | 89.9 | 57.3 | 48.7 | 31.1 | 22.8 | 21.0 | 13.3 | 9.4 | 6.4 | 4.2 | 3.7 | 2.08 |
| 1.80V | 86.4 | 55.1 | 46.8 | 29.9 | 22.0 | 20.2 | 12.8 | 9.0 | 6.1 | 4.0 | 3.6 | 2.00 |

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 | 183.0 | 116.6 | 99.1 | 63.3 | 46.5 | 42.7 | 27.1 | 19.1 | 13.0 | 8.5 | 7.6 | 4.2 |
| 1.65V | 179.6 | 114.5 | 97.3 | 62.1 | 45.7 | 41.9 | 26.6 | 18.7 | 12.7 | 8.4 | 7.5 | 4.2 |
| 1.70V | 176.3 | 112.4 | 95.5 | 61.0 | 44.8 | 41.1 | 26.2 | 18.4 | 12.5 | 8.2 | 7.3 | 4.1 |
| 1.75V | 173.0 | 110.3 | 93.7 | 59.8 | 44.0 | 40.4 | 25.7 | 18.0 | 12.3 | 8.1 | 7.2 | 4.0 |
| 1.80V | 166.3 | 106.0 | 90.1 | 57.5 | 42.3 | 38.8 | 24.7 | 17.3 | 11.8 | 7.8 | 6.9 | 3.8 |

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 |