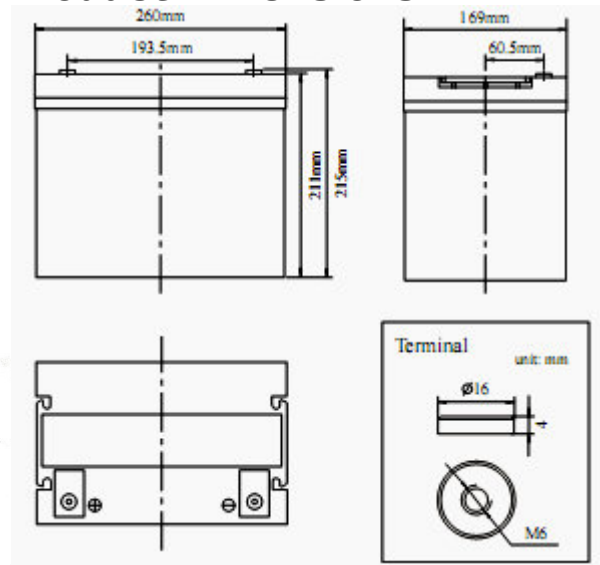


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 70Ah |
| Capacity 25°C (77°F) | 20 hour rate (3.89A) | 77.8Ah |
| | 5 hour rate (12.8A) | 64.0Ah |
| | 1 hour rate (46.6A) | 46.6Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤6.0mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 85% |
| 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 17.5A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 17.5A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|--------------|--------------|
| Battery Dimensions | Length | 260mm |
| | Width | 169mm |
| | Height | 211mm |
| | Total Height | 215mm |
| Box Dimensions | Length | 275mm |
| | Width | 183mm |
| | Height | 272mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 21.7.0 kg±3% |
| Net weight Per Box | | 21.7.0kg |
| Gross Weight | | 22.2kg |

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

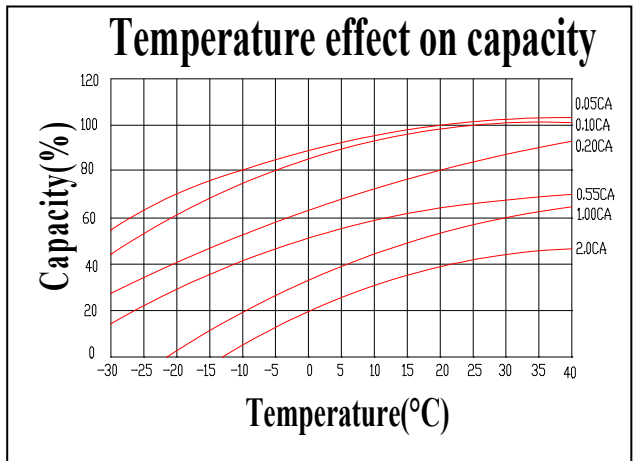
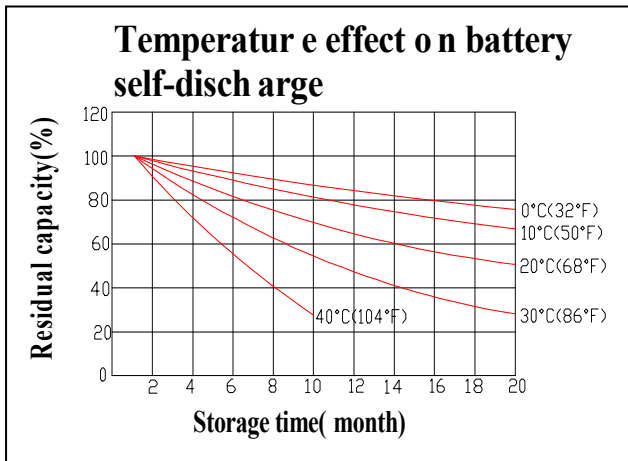
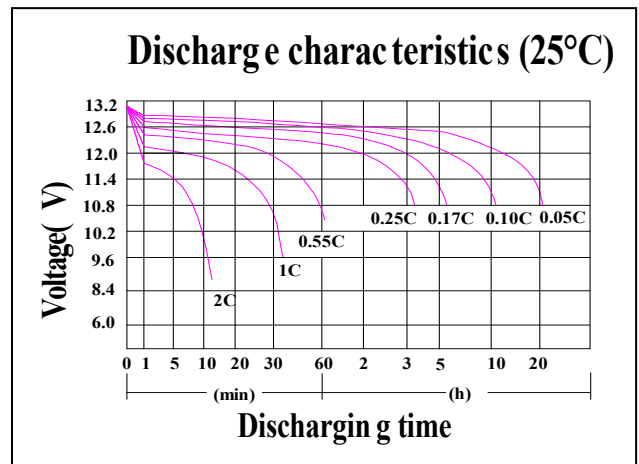
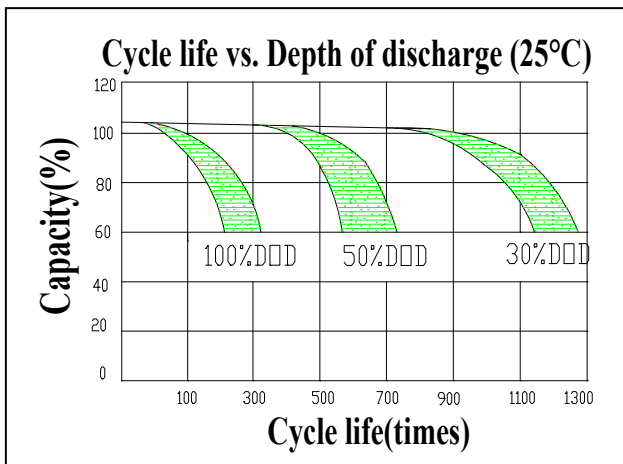
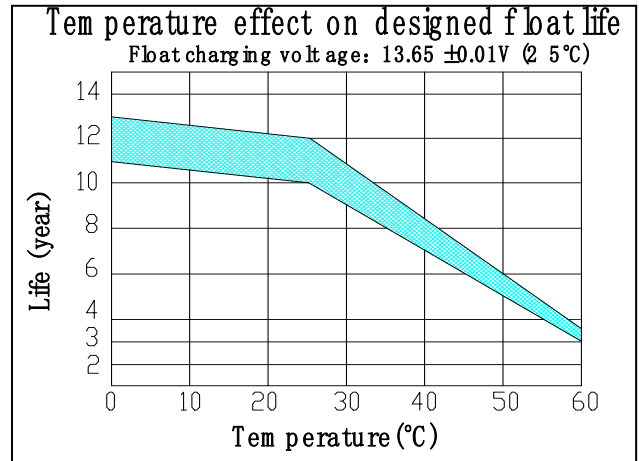
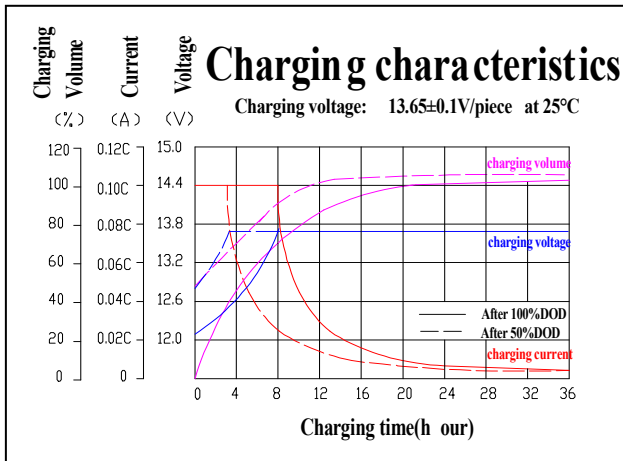
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|------|------|-----|------|------|
| 1.60V | 118.2 | 73.5 | 52.8 | 46.6 | 28.4 | 20.8 | 13.4 | 8.2 | 7.28 | 4.04 |
| 1.65V | 113.3 | 71.6 | 51.3 | 45.3 | 27.9 | 20.4 | 13.2 | 8.1 | 7.21 | 4.00 |
| 1.70V | 108.3 | 69.6 | 49.9 | 44.1 | 27.3 | 20.0 | 13.0 | 8.0 | 7.14 | 3.96 |
| 1.75V | 103.4 | 67.6 | 48.5 | 42.8 | 26.7 | 19.5 | 12.8 | 7.9 | 7.07 | 3.92 |
| 1.80V | 98.5 | 65.7 | 47.1 | 41.6 | 26.0 | 19.0 | 12.6 | 7.8 | 7.00 | 3.89 |

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

| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|------|------|------|------|-----|
| 1.60V | 220.4 | 137.2 | 98.4 | 86.9 | 52.9 | 38.7 | 24.9 | 15.2 | 13.6 | 7.5 |
| 1.65V | 211.2 | 133.5 | 95.8 | 84.5 | 52.0 | 38.0 | 24.6 | 15.1 | 13.4 | 7.5 |
| 1.70V | 202.1 | 129.8 | 93.1 | 82.2 | 51.0 | 37.3 | 24.2 | 14.9 | 13.3 | 7.4 |
| 1.75V | 192.9 | 126.1 | 90.5 | 79.9 | 49.8 | 36.4 | 23.9 | 14.8 | 13.2 | 7.3 |
| 1.80V | 183.7 | 122.5 | 87.9 | 77.5 | 48.6 | 35.5 | 23.5 | 14.6 | 13.1 | 7.2 |

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 |