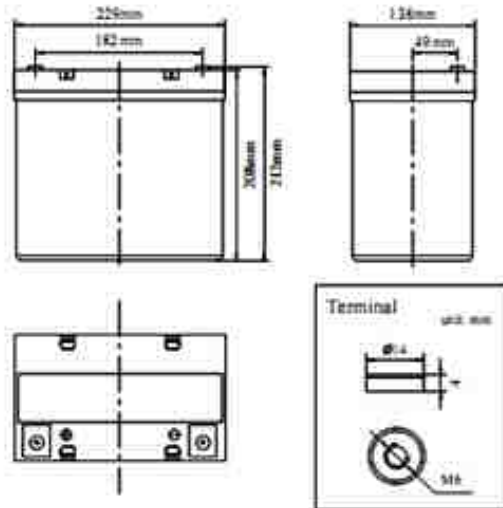


Product Image



Product Dimensions



Characteristics

| | | |
|---|------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 55Ah |
| Capacity 25°C(77°F) | 10 hour rate (5.0A) | 50.0Ah |
| | 5 hour rate (8.8A) | 44.0Ah |
| | 1 hour rate (30.6A) | 30.6Ah |
| Cranking Amps | -18°C (0°F) | 350cca |
| 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 1.25A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 1.25A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|--------------|--------------|
| Battery Dimensions | Length | 229mm |
| | Width | 138mm |
| | Height | 208mm |
| | Total Height | 212mm |
| Box Dimensions | Length | 244mm |
| | Width | 152mm |
| | Height | 254mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 16.0 kg±3% |
| Net weight Per Box | | 16.0kg |
| Gross Weight | | 16.5kg |

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

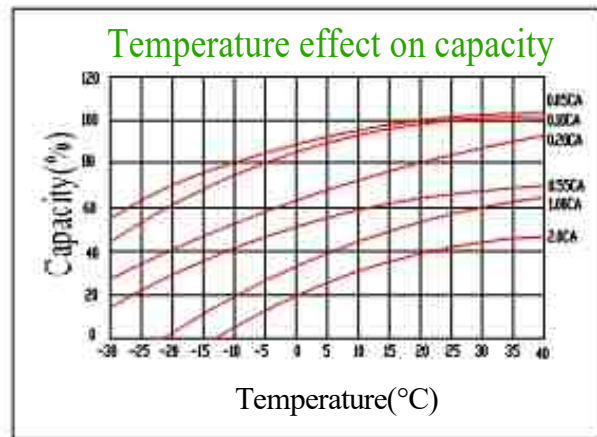
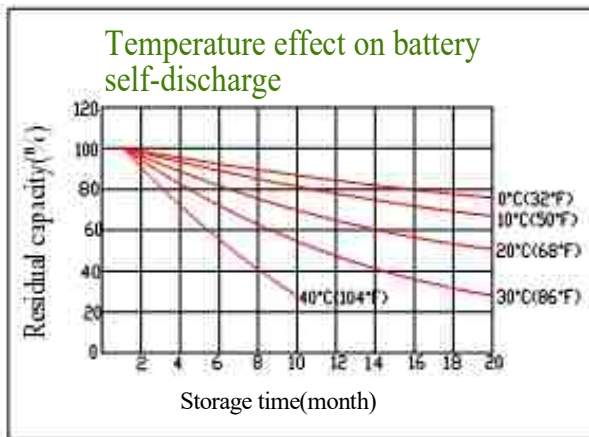
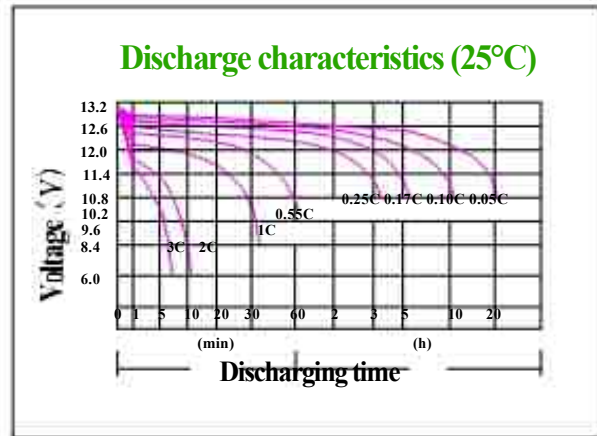
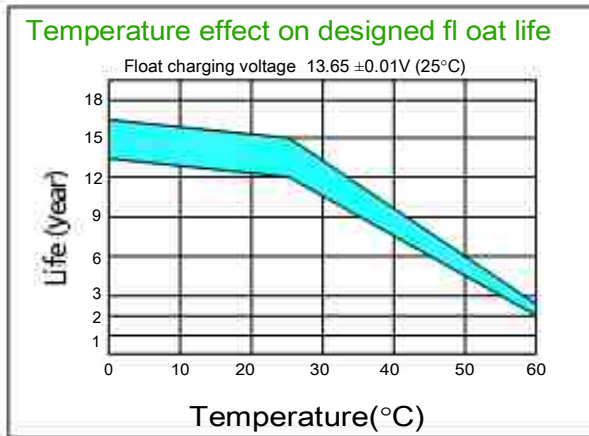
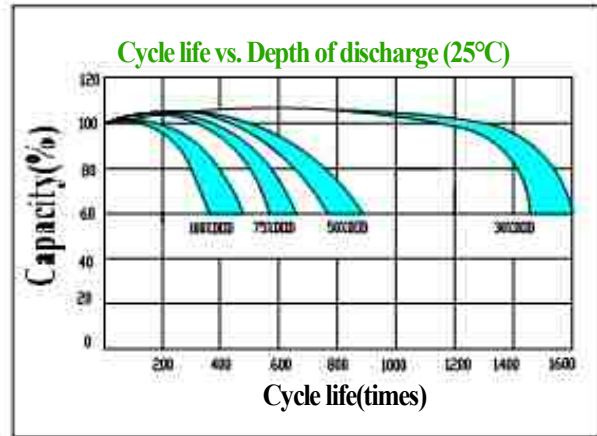
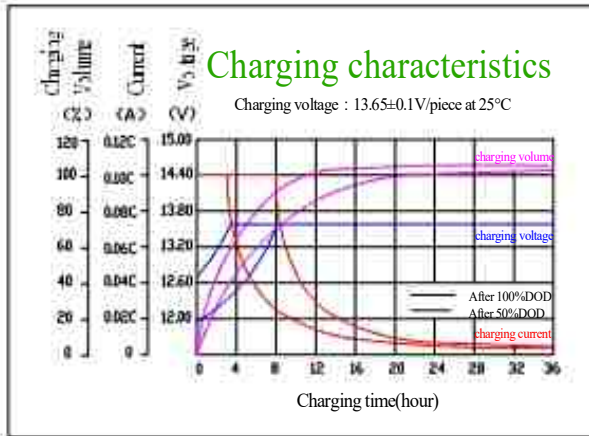
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|-----|------|
| 1.60V | 130.7 | 83.2 | 70.8 | 45.1 | 33.3 | 30.6 | 19.4 | 13.6 | 9.3 | 6.1 | 5.4 | 3.03 |
| 1.65V | 128.3 | 81.7 | 69.5 | 44.3 | 32.7 | 30.0 | 19.0 | 13.4 | 9.1 | 6.0 | 5.3 | 2.97 |
| 1.70V | 125.9 | 80.2 | 68.2 | 43.4 | 32.1 | 29.4 | 18.7 | 13.1 | 8.9 | 5.9 | 5.2 | 2.92 |
| 1.75V | 123.6 | 78.7 | 66.9 | 42.6 | 31.5 | 28.9 | 18.3 | 12.9 | 8.8 | 5.8 | 5.1 | 2.86 |
| 1.80V | 118.8 | 75.6 | 64.4 | 41.0 | 30.3 | 27.8 | 17.6 | 12.4 | 8.4 | 5.6 | 5.0 | 2.75 |

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 | 251.6 | 160.1 | 136.3 | 86.8 | 64.1 | 58.8 | 37.3 | 26.2 | 17.8 | 11.8 | 10.5 | 5.8 |
| 1.65V | 247.0 | 157.2 | 133.8 | 85.2 | 62.9 | 57.7 | 36.6 | 25.7 | 17.5 | 11.5 | 10.3 | 5.7 |
| 1.70V | 242.4 | 154.3 | 131.3 | 83.6 | 61.7 | 56.7 | 36.0 | 25.3 | 17.2 | 11.3 | 10.1 | 5.6 |
| 1.75V | 237.8 | 151.4 | 128.8 | 82.0 | 60.6 | 55.6 | 35.3 | 24.8 | 16.8 | 11.1 | 9.9 | 5.5 |
| 1.80V | 228.7 | 145.6 | 123.9 | 78.9 | 58.2 | 53.5 | 33.9 | 23.8 | 16.2 | 10.7 | 9.5 | 5.3 |

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 |