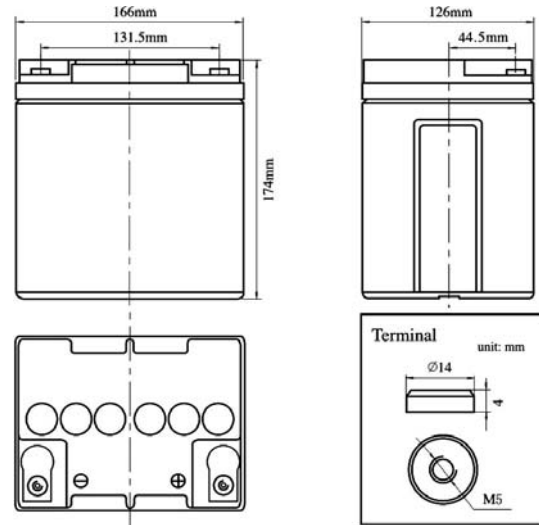


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|---|
| Nominal Voltage | | 12V |
| Watts/cell@15min | | 115W |
| Capacity 25°C (77°F) | 10 hour rate (2.8A) | 28Ah |
| | 5 hour rate (5.1A) | 25.5Ah |
| | 1 hour rate (18.8A) | 18.8Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤9.8m Ω |
| 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 7.2A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 7.2A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 165mm |
| | Width | 126mm |
| | Height | 174mm |
| | Total Height | 174mm |
| Box Dimensions | Length | 184mm |
| | Width | 141mm |
| | Height | 220mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 8.7 kg±3% |
| Net weight Per Box | | 8.7kg |
| Gross Weight | | 9.0kg |

Discharge Constant Power per Cell (Watts at 77°F25°C)

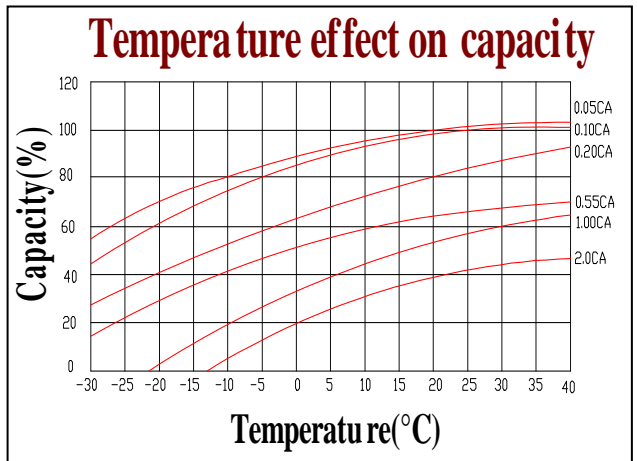
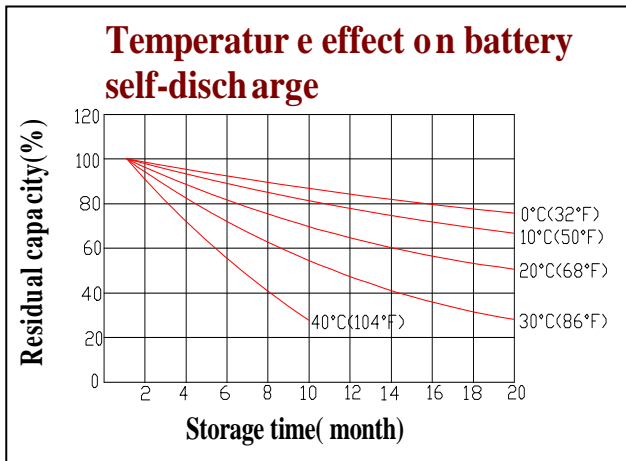
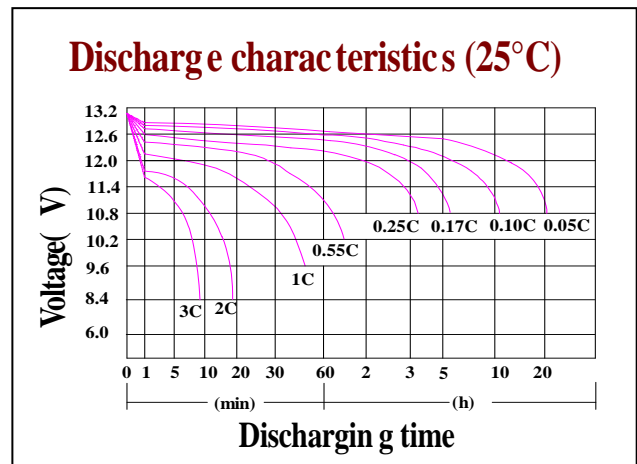
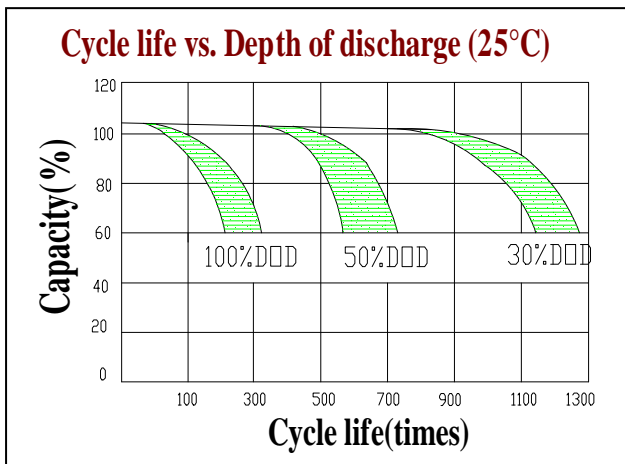
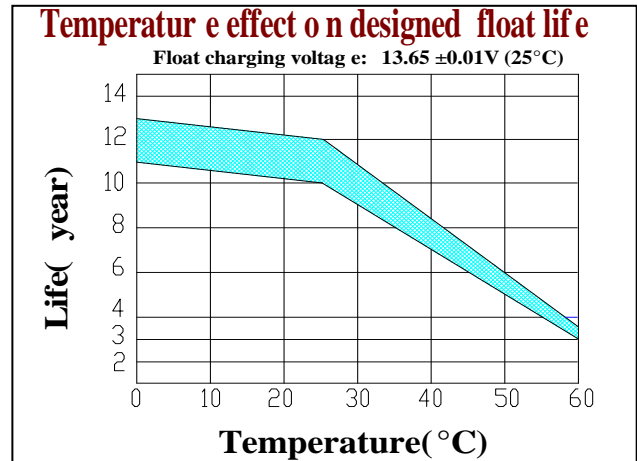
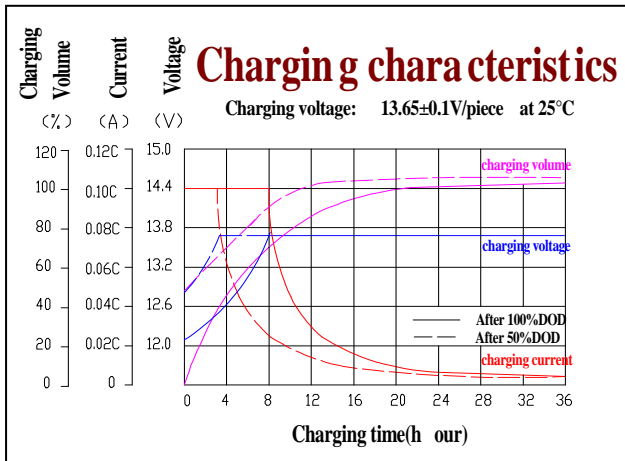
| F.V/Time | 5min | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 2h | 3h | 10h |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-----|
| 1.60V | 172.3 | 143.6 | 117.2 | 102.8 | 86.2 | 69.5 | 50.5 | 35.1 | 29.3 | 22.2 | 16.1 | 5.7 |
| 1.67V | 169.1 | 141.0 | 115.0 | 101.5 | 84.6 | 68.2 | 49.6 | 34.4 | 28.8 | 21.8 | 15.8 | 5.6 |
| 1.70V | 166.0 | 138.4 | 113.0 | 99.7 | 83.0 | 67.0 | 48.7 | 33.7 | 28.2 | 21.3 | 15.5 | 5.5 |
| 1.75V | 162.9 | 135.8 | 110.8 | 96.5 | 81.5 | 65.7 | 47.8 | 33.2 | 27.7 | 21.0 | 15.2 | 5.4 |
| 1.80V | 156.7 | 130.6 | 106.5 | 92.4 | 78.3 | 63.2 | 46.0 | 31.9 | 26.6 | 20.2 | 14.6 | 5.2 |

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

| F.V/Time | 5min | 10min | 15min | 20min | 25min | 30min | 45min | 60min | 90min | 2h | 3h | 10h |
|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|------|
| 1.60V | 92.4 | 77.0 | 62.8 | 55.1 | 46.2 | 37.3 | 27.1 | 18.8 | 15.7 | 11.9 | 8.6 | 3.08 |
| 1.67V | 90.7 | 75.6 | 61.7 | 54.4 | 45.3 | 36.6 | 26.6 | 18.4 | 15.4 | 11.7 | 8.5 | 3.01 |
| 1.70V | 89.0 | 74.2 | 60.6 | 53.4 | 44.5 | 35.9 | 26.1 | 18.1 | 15.1 | 11.4 | 8.3 | 2.98 |
| 1.75V | 87.3 | 72.8 | 59.4 | 51.8 | 43.7 | 35.2 | 25.6 | 17.8 | 14.8 | 11.2 | 8.2 | 2.91 |
| 1.80V | 84.0 | 70.0 | 57.1 | 49.6 | 42.0 | 33.9 | 24.6 | 17.1 | 14.3 | 10.8 | 7.8 | 2.80 |

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 |