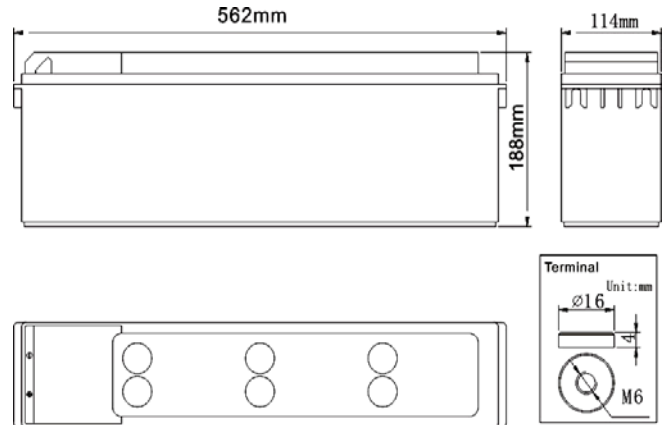


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 80Ah |
| Capacity 25°C (77°F) | 10 hour rate (7.61A) | 76.1Ah |
| | 5 hour rate (14.3A) | 71.5Ah |
| | 1 hour rate (52.8A) | 52.8Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤6.4mΩ |
| 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 16A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 16A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|----------------|
| Battery Dimensions | Length | 562mm |
| | Width | 114mm |
| | Height | 188mm |
| | Total Height | 188mm |
| Box Dimensions | Length | 577mm |
| | Width | 129mm |
| | Height | 248mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 28.5 kg ± 300g |
| Net weight Per Box | | 28.5kg |
| Gross Weight | | 29.1kg |

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

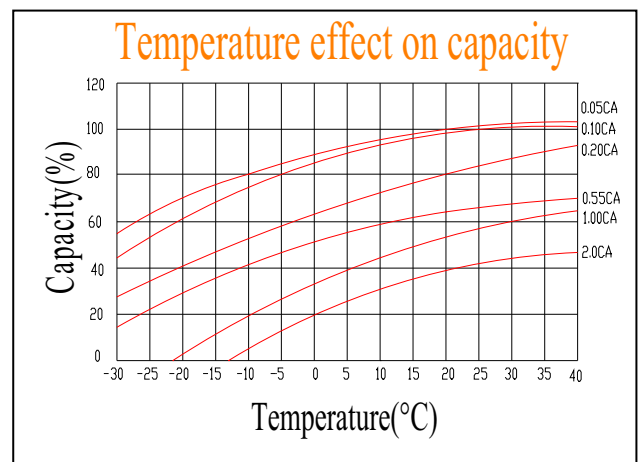
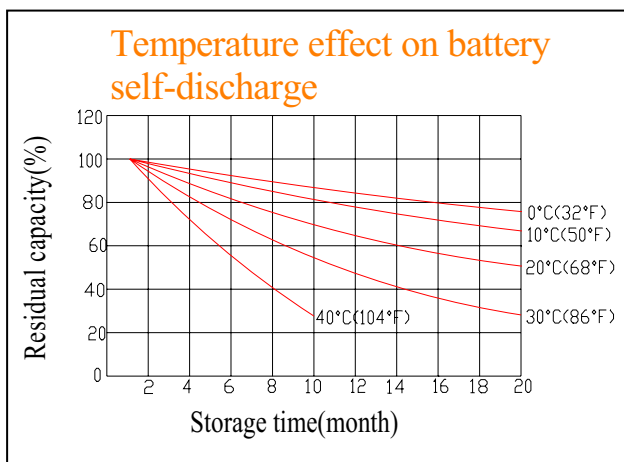
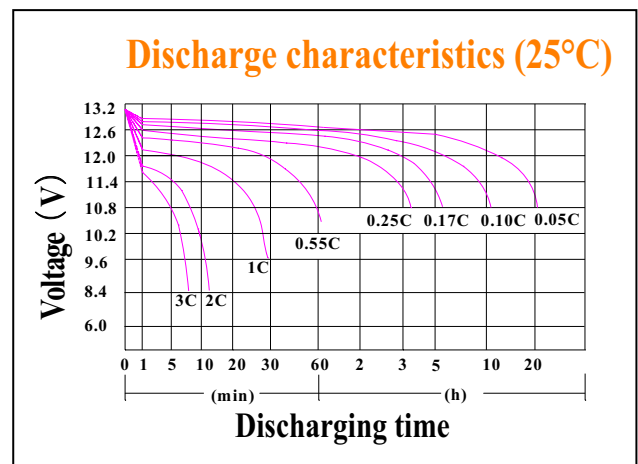
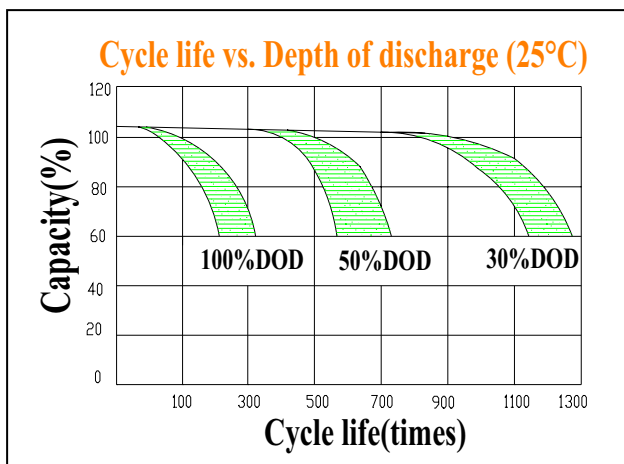
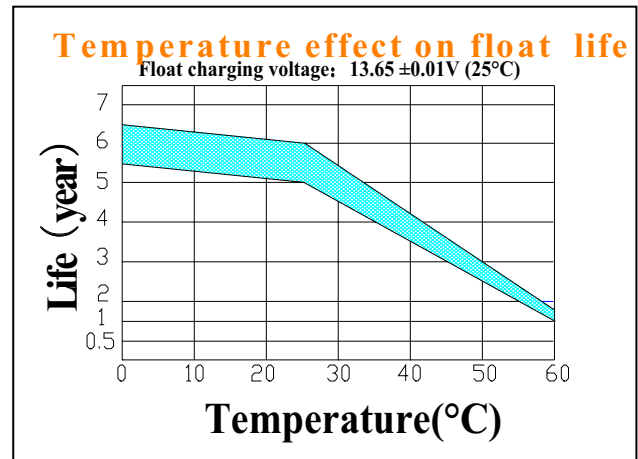
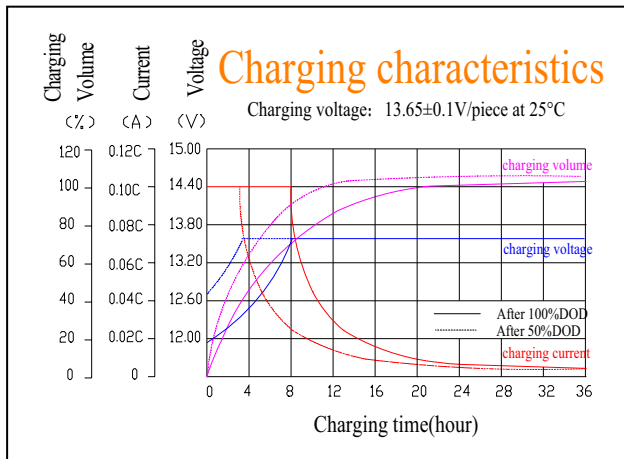
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-------|------|------|
| 1.60V | 228.8 | 176.0 | 132.4 | 88.0 | 61.6 | 52.8 | 33.0 | 22.6 | 15.1 | 10.14 | 8.38 | 4.40 |
| 1.65V | 224.6 | 172.8 | 130.0 | 86.4 | 60.5 | 51.8 | 32.4 | 22.2 | 14.8 | 9.95 | 8.22 | 4.32 |
| 1.70V | 220.5 | 169.6 | 127.6 | 84.8 | 59.4 | 50.9 | 31.8 | 21.8 | 14.5 | 9.77 | 8.07 | 4.24 |
| 1.75V | 216.3 | 166.4 | 125.2 | 83.2 | 58.2 | 49.9 | 31.2 | 21.4 | 14.3 | 9.58 | 7.92 | 4.16 |
| 1.80V | 208.0 | 160.0 | 120.4 | 80.0 | 56.0 | 48.0 | 30.0 | 20.6 | 13.7 | 9.21 | 7.61 | 4.00 |

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 | 440.4 | 338.8 | 254.9 | 169.4 | 118.6 | 101.6 | 63.5 | 43.5 | 29.0 | 19.5 | 16.1 | 8.5 |
| 1.65V | 432.4 | 332.6 | 250.3 | 166.3 | 116.4 | 99.8 | 62.4 | 42.7 | 28.5 | 19.2 | 15.8 | 8.3 |
| 1.70V | 424.4 | 326.5 | 245.7 | 163.2 | 114.3 | 97.9 | 61.2 | 42.0 | 28.0 | 18.8 | 15.5 | 8.2 |
| 1.75V | 416.4 | 320.3 | 241.0 | 160.2 | 112.1 | 96.1 | 60.1 | 41.2 | 27.4 | 18.4 | 15.2 | 8.0 |
| 1.80V | 400.4 | 308.0 | 231.7 | 154.0 | 107.8 | 92.4 | 57.8 | 39.6 | 26.4 | 17.7 | 14.7 | 7.7 |

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 |