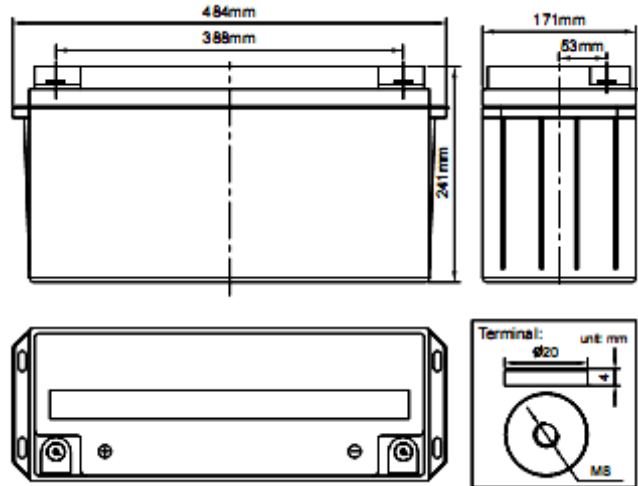


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 150Ah |
| Capacity 25°C (77°F) | 10 hour rate (13.5A) | 135Ah |
| | 5 hour rate (23.9A) | 119.5Ah |
| | 1 hour rate (83.2A) | 83.2Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤4.0mΩ |
| 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 30A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 30A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 484mm |
| | Width | 171mm |
| | Height | 241mm |
| | Total Height | 241mm |
| Box Dimensions | Length | 499mm |
| | Width | 185mm |
| | Height | 299mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 45.5 kg±200g |
| Net weight Per Box | | 45.5kg |
| Gross Weight | | 46.0kg |

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

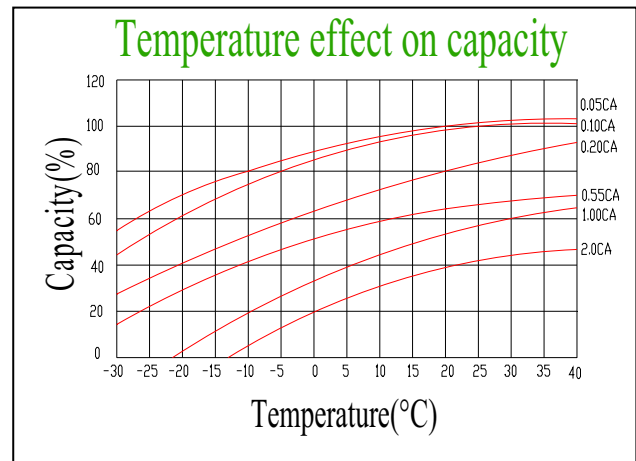
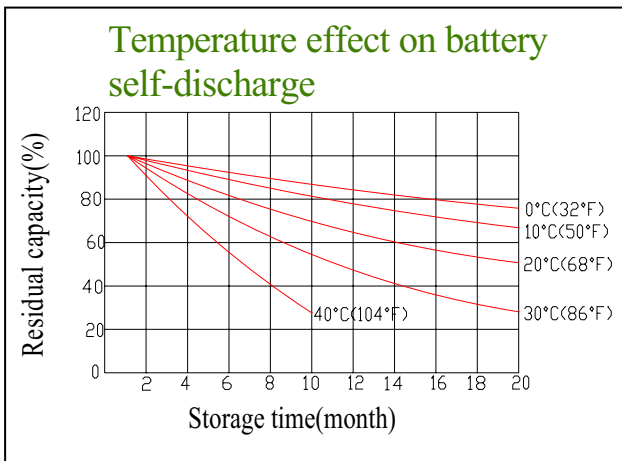
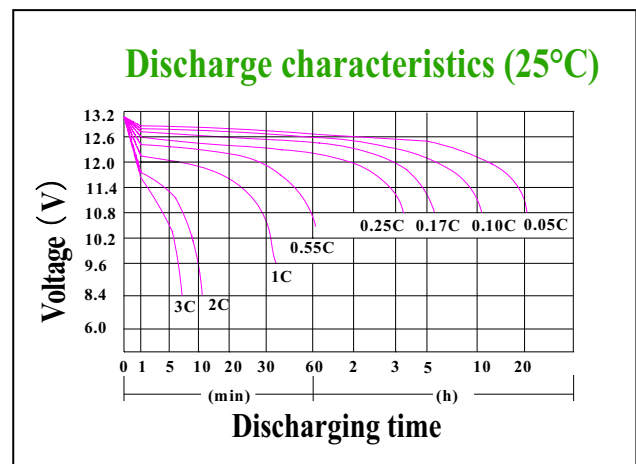
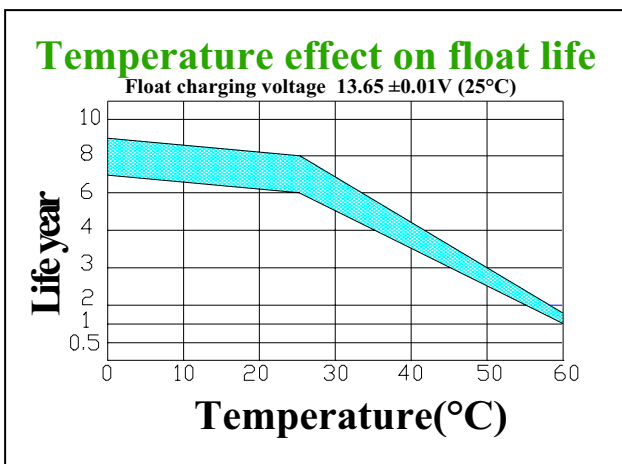
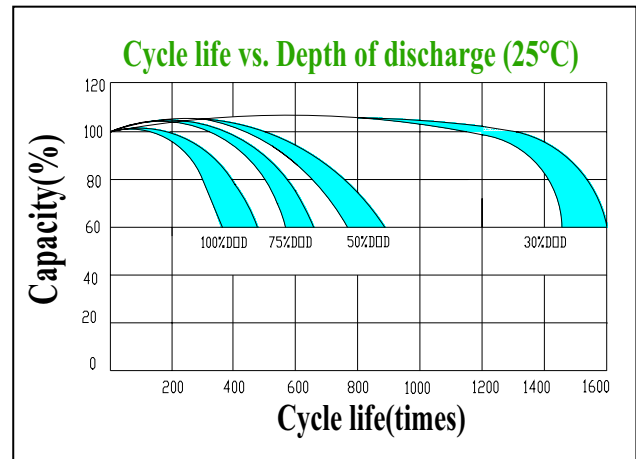
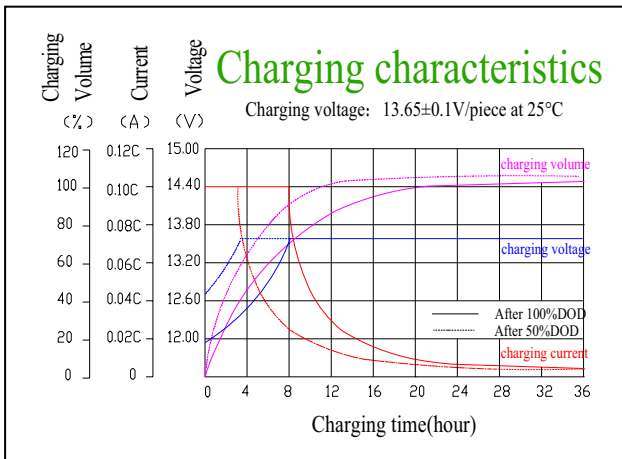
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 356.4 | 227.2 | 193.1 | 123.3 | 90.6 | 83.2 | 52.9 | 37.1 | 25.2 | 16.6 | 14.9 | 8.25 |
| 1.65V | 349.9 | 223.1 | 189.5 | 121.0 | 88.9 | 81.6 | 51.9 | 36.5 | 24.8 | 16.3 | 14.6 | 8.1 |
| 1.70V | 343.4 | 218.9 | 186.0 | 118.8 | 87.3 | 80.1 | 50.9 | 35.8 | 24.3 | 16.0 | 14.3 | 7.95 |
| 1.75V | 337.0 | 214.8 | 182.5 | 116.5 | 85.6 | 78.6 | 50.0 | 35.1 | 23.9 | 15.7 | 14.0 | 7.8 |
| 1.80V | 324.0 | 206.6 | 175.5 | 112.1 | 82.4 | 75.6 | 48.1 | 33.8 | 23.0 | 15.1 | 13.5 | 7.50 |

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 | 686.1 | 437.4 | 371.6 | 237.3 | 174.4 | 160.1 | 101.8 | 71.5 | 48.6 | 32.0 | 28.6 | 15.9 |
| 1.65V | 673.6 | 429.4 | 364.9 | 233.0 | 171.2 | 157.2 | 99.9 | 70.2 | 47.7 | 31.4 | 28.1 | 15.6 |
| 1.70V | 661.1 | 421.5 | 358.1 | 228.6 | 168.0 | 154.3 | 98.1 | 68.9 | 46.8 | 30.9 | 27.5 | 15.3 |
| 1.75V | 648.6 | 413.5 | 351.4 | 224.3 | 164.9 | 151.4 | 96.2 | 67.6 | 45.9 | 30.3 | 27.0 | 15.0 |
| 1.80V | 623.7 | 397.6 | 337.8 | 215.7 | 158.5 | 145.5 | 92.5 | 65.0 | 44.2 | 29.1 | 26.0 | 14.4 |

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 |