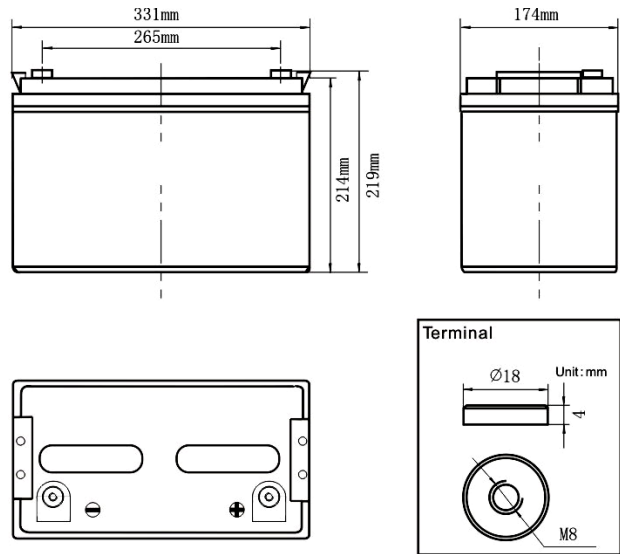


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 80Ah |
| Capacity 25°C (77°F) | 20 hour rate (4.44A) | 88.8Ah |
| | 5 hour rate (14.6A) | 73Ah |
| | 1 hour rate (53.2A) | 53.2Ah |
| 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% |
| | -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 20.0A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 20.0A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 331mm |
| | Width | 174mm |
| | Height | 214mm |
| | Total Height | 219mm |
| Box Dimensions | Length | 346mm |
| | Width | 188mm |
| | Height | 289mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 24.8kg±3% |
| Net weight Per Box | | 24.8kg |
| Gross Weight | | 25.3kg |

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

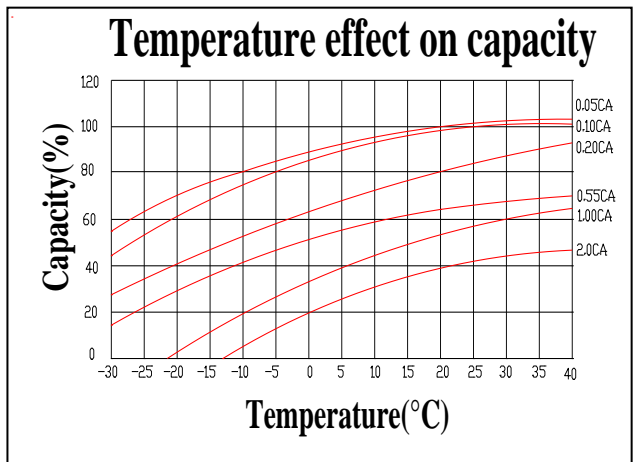
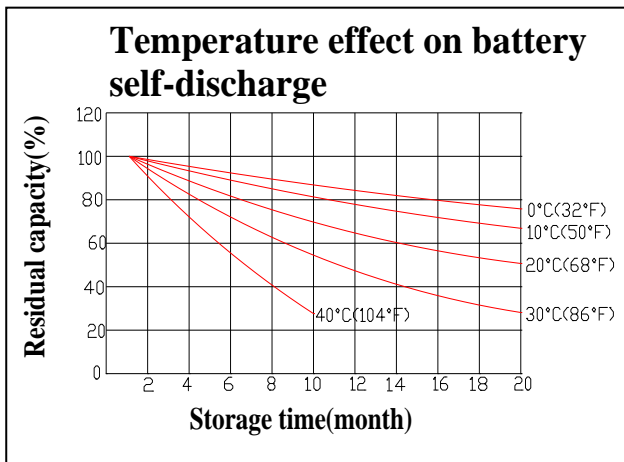
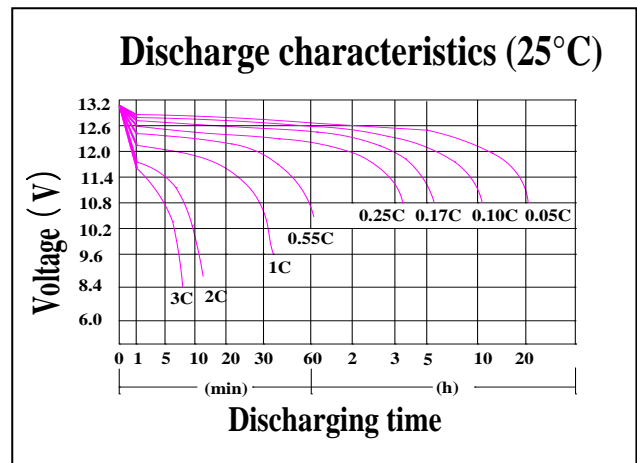
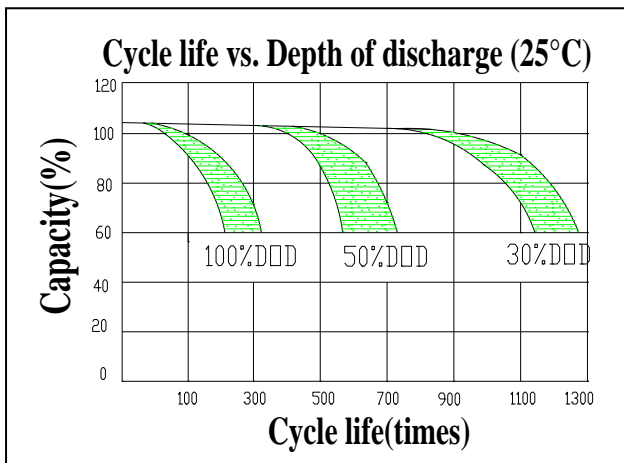
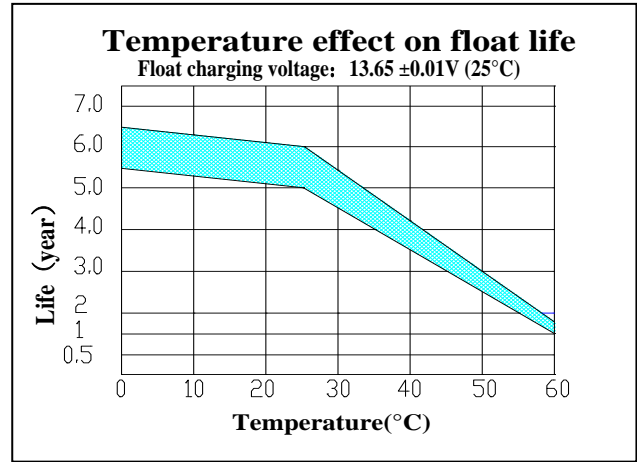
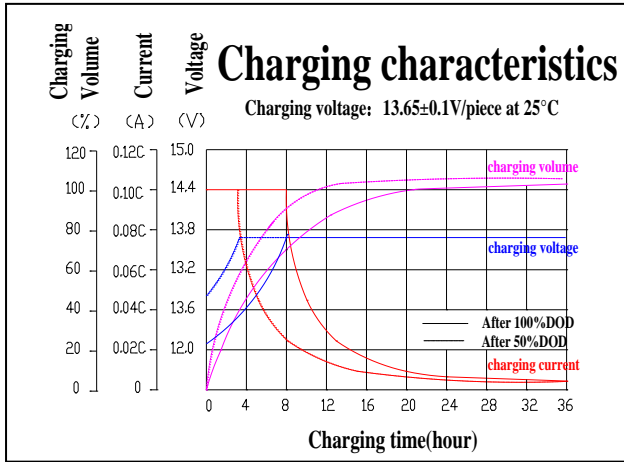
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-----|------|------|
| 1.60V | 269.0 | 179.2 | 135.1 | 84.0 | 60.3 | 53.2 | 32.4 | 23.7 | 15.3 | 9.3 | 8.32 | 4.62 |
| 1.65V | 248.0 | 165.2 | 129.4 | 81.8 | 58.7 | 51.8 | 31.8 | 23.3 | 15.0 | 9.2 | 8.24 | 4.57 |
| 1.70V | 252.2 | 168.0 | 123.8 | 79.5 | 57.1 | 50.4 | 31.2 | 22.8 | 14.8 | 9.1 | 8.16 | 4.53 |
| 1.75V | 222.8 | 148.4 | 118.2 | 77.3 | 55.5 | 48.9 | 30.5 | 22.3 | 14.6 | 9.0 | 8.08 | 4.48 |
| 1.80V | 210.2 | 140.0 | 112.6 | 75.0 | 53.8 | 47.5 | 29.8 | 21.8 | 14.4 | 9.0 | 8.00 | 4.44 |

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 | 501.7 | 334.2 | 251.9 | 156.7 | 112.5 | 99.3 | 60.5 | 44.2 | 28.5 | 17.4 | 15.5 | 8.6 |
| 1.65V | 462.5 | 308.1 | 241.4 | 152.5 | 109.4 | 96.6 | 59.4 | 43.4 | 28.1 | 17.2 | 15.4 | 8.5 |
| 1.70V | 470.3 | 313.3 | 230.9 | 148.3 | 106.4 | 93.9 | 58.3 | 42.6 | 27.7 | 17.0 | 15.2 | 8.4 |
| 1.75V | 415.5 | 276.8 | 220.4 | 144.1 | 103.4 | 91.3 | 56.9 | 41.6 | 27.3 | 16.9 | 15.1 | 8.4 |
| 1.80V | 391.9 | 261.1 | 209.9 | 139.9 | 100.4 | 88.6 | 55.5 | 40.6 | 26.9 | 16.7 | 14.9 | 8.3 |

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.

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 |