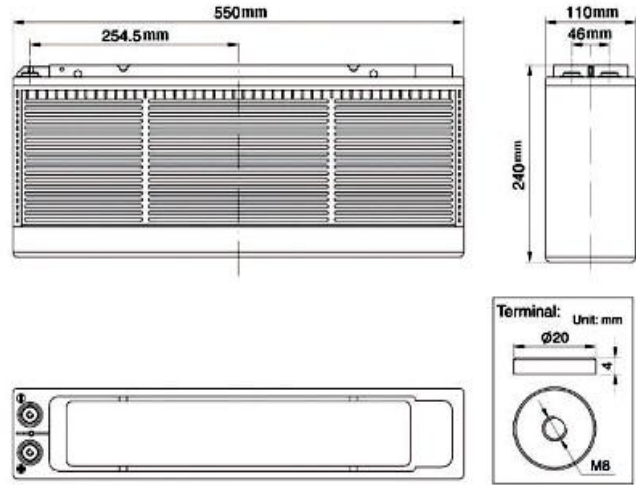


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 125Ah |
| Capacity 25°C (77°F) | 20 hour rate (6.67A) | 133.4Ah |
| | 5 hour rate (23.1A) | 115.5Ah |
| | 1 hour rate (74.6A) | 74.6Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤3.2m Ω |
| 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 25A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 25A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|------------------|----------------|
| Battery Dimensions | Length | 550mm |
| | Width | 110mm |
| | Height | 240mm |
| | Total Height | 240mm |
| Box Dimensions | Length | 565mm |
| | Width | 125mm |
| | Height | 300mm |
| | Quantity Per Box | 1 PC per box |
| Net weight Per Cell | | 40.0 kg ± 400g |
| Net weight Per Box | | 40.0kg |
| Gross Weight | | 40.6kg |

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

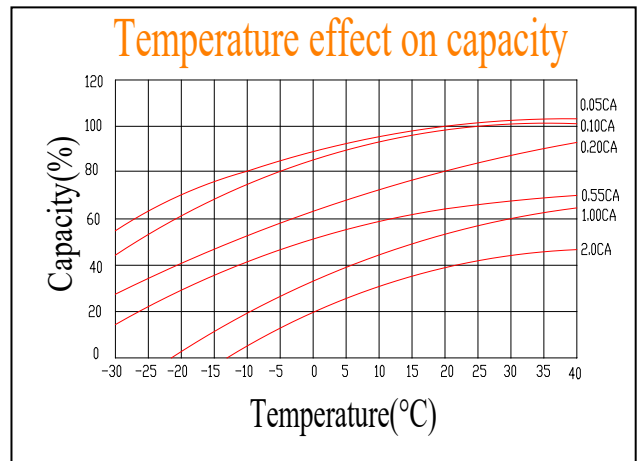
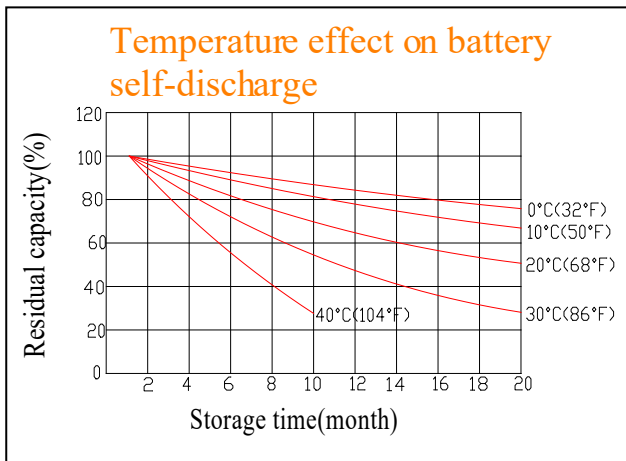
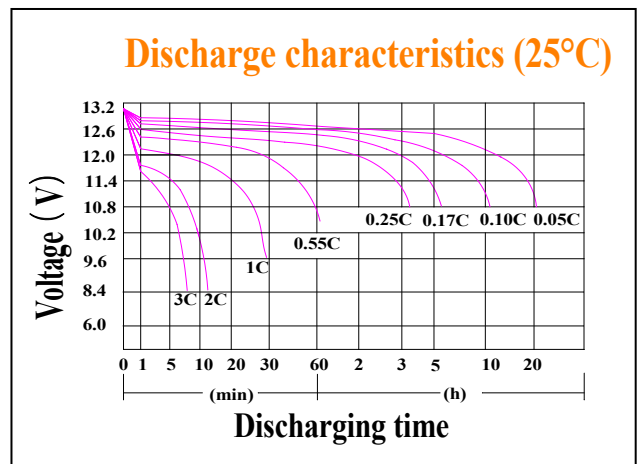
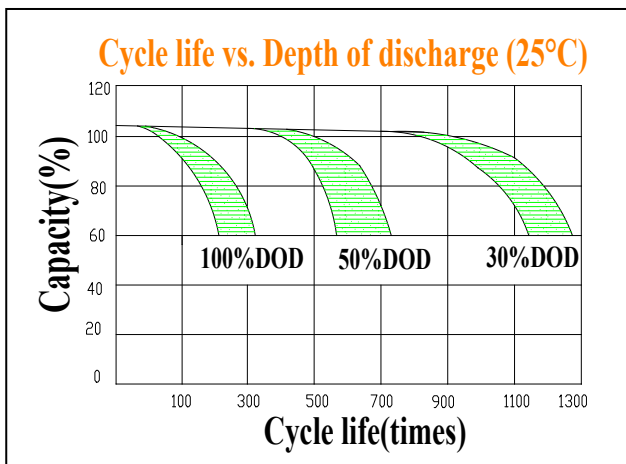
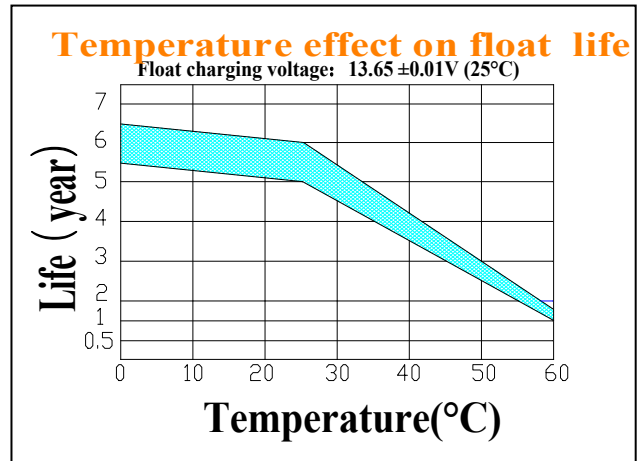
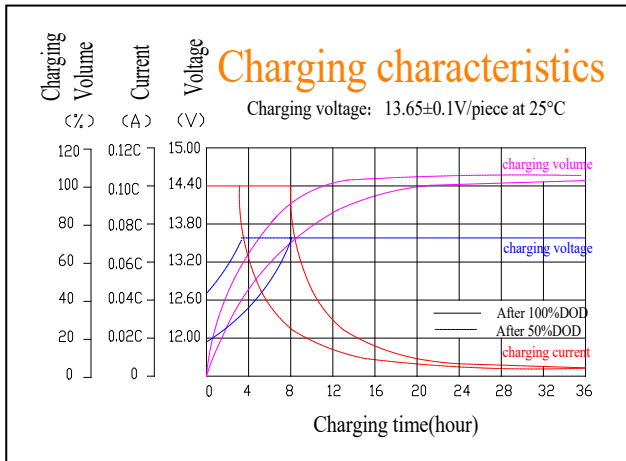
| F.V/Time | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 216.5 | 179.2 | 119.4 | 97.0 | 74.6 | 52.0 | 37.4 | 23.8 | 16.0 | 13.0 | 6.93 |
| 1.65V | 210.7 | 174.4 | 116.2 | 94.4 | 72.6 | 51.5 | 37.1 | 23.5 | 15.8 | 12.9 | 6.86 |
| 1.70V | 204.9 | 169.6 | 113.0 | 91.8 | 70.6 | 51.0 | 36.7 | 23.3 | 15.7 | 12.7 | 6.80 |
| 1.75V | 199.1 | 164.8 | 109.8 | 89.2 | 68.6 | 50.5 | 36.4 | 23.1 | 15.5 | 12.6 | 6.73 |
| 1.80V | 193.3 | 160.0 | 106.6 | 86.6 | 66.7 | 50.0 | 36.0 | 22.8 | 15.4 | 12.5 | 6.67 |

Discharge Constant Power per Cell (Watts at 77°F 25°C)

| F.V/Time | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 416.7 | 344.9 | 229.9 | 186.8 | 143.7 | 100.1 | 72.1 | 45.7 | 30.7 | 25.0 | 13.3 |
| 1.65V | 405.6 | 335.6 | 223.8 | 181.8 | 139.8 | 99.1 | 71.4 | 45.3 | 30.4 | 24.8 | 13.2 |
| 1.70V | 394.4 | 326.4 | 217.6 | 176.8 | 136.0 | 98.2 | 70.7 | 44.8 | 30.1 | 24.5 | 13.1 |
| 1.75V | 383.2 | 317.2 | 211.4 | 171.8 | 132.2 | 97.2 | 70.0 | 44.4 | 29.8 | 24.3 | 13.0 |
| 1.80V | 372.1 | 307.9 | 205.3 | 166.8 | 128.3 | 96.2 | 69.3 | 44.0 | 29.6 | 24.1 | 12.8 |

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 **US** 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 |