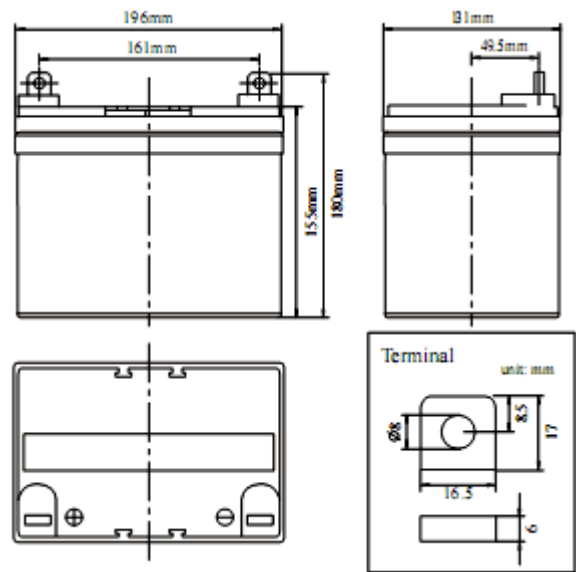


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 35Ah |
| Capacity 25°C (77 °F) | 20 hour rate (1.94A) | 38.9Ah |
| | 5 hour rate (6.4A) | 32.0Ah |
| | 1 hour rate (23.3A) | 23.3Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤11mΩ |
| 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 8.25A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 8.25A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 196mm |
| | Width | 131mm |
| | Height | 155mm |
| | Total Height | 180mm |
| Box Dimensions | Length | 211mm |
| | Width | 144mm |
| | Height | 211mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 12.0 kg±100g |
| Net weight Per Box | | 12.0kg |
| Gross Weight | | 12.5kg |

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

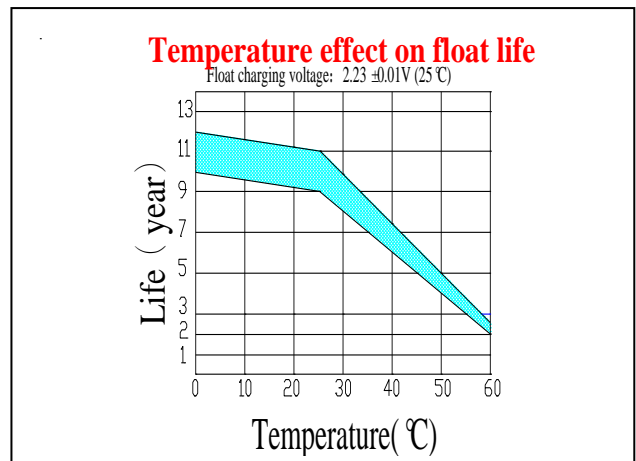
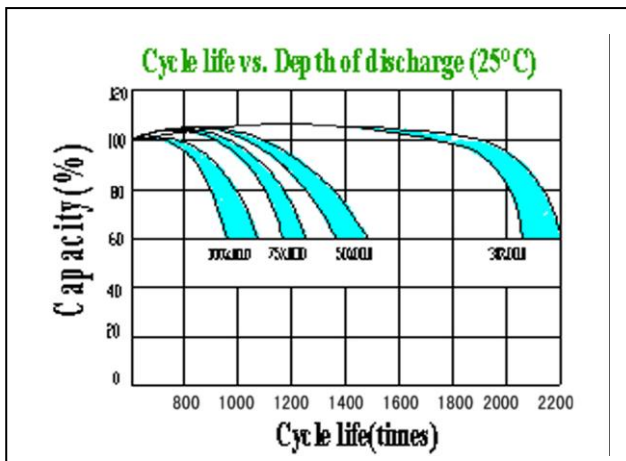
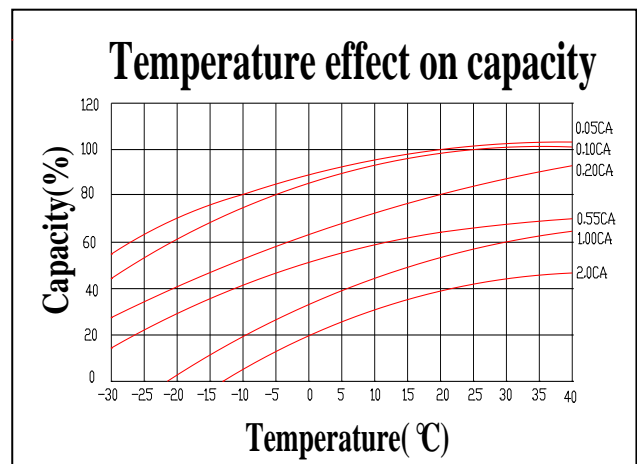
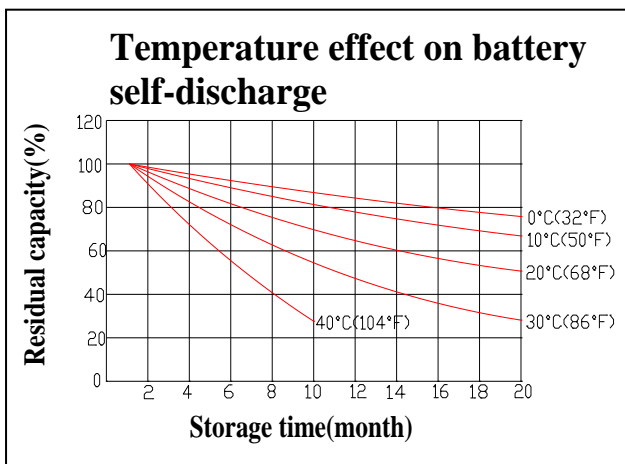
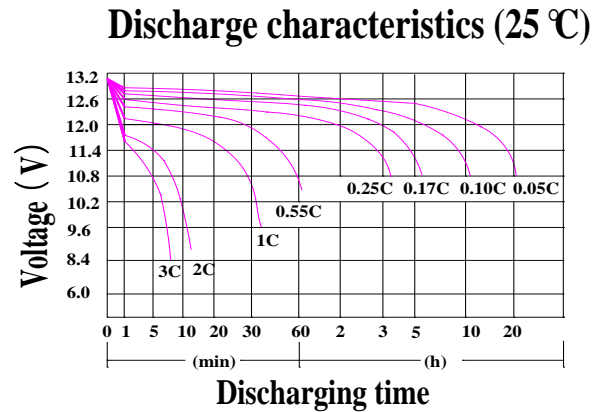
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|-----|-----|-----|------|------|
| 1.60V | 111.0 | 73.9 | 55.7 | 34.7 | 24.9 | 22.0 | 13.4 | 9.8 | 6.3 | 3.8 | 3.43 | 1.90 |
| 1.65V | 104.0 | 69.3 | 53.4 | 33.7 | 24.2 | 21.4 | 13.1 | 9.6 | 6.2 | 3.8 | 3.40 | 1.89 |
| 1.70V | 102.3 | 68.1 | 51.1 | 32.8 | 23.5 | 20.8 | 12.9 | 9.4 | 6.1 | 3.8 | 3.37 | 1.87 |
| 1.75V | 91.9 | 61.2 | 48.8 | 31.9 | 22.9 | 20.2 | 12.6 | 9.2 | 6.0 | 3.7 | 3.33 | 1.85 |
| 1.80V | 86.7 | 57.8 | 46.4 | 31.0 | 22.2 | 19.6 | 12.3 | 9.0 | 5.9 | 3.7 | 3.30 | 1.83 |

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 | 206.9 | 137.9 | 103.9 | 64.7 | 46.4 | 40.9 | 25.0 | 18.2 | 11.7 | 7.2 | 6.4 | 3.6 |
| 1.65V | 194.0 | 129.2 | 99.6 | 62.9 | 45.1 | 39.8 | 24.5 | 17.9 | 11.6 | 7.1 | 6.3 | 3.5 |
| 1.70V | 190.8 | 127.1 | 95.3 | 61.2 | 43.9 | 38.8 | 24.0 | 17.6 | 11.4 | 7.0 | 6.3 | 3.5 |
| 1.75V | 171.4 | 114.2 | 90.9 | 59.5 | 42.7 | 37.7 | 23.5 | 17.2 | 11.2 | 7.0 | 6.2 | 3.4 |
| 1.80V | 161.7 | 107.7 | 86.6 | 57.7 | 41.4 | 36.6 | 22.9 | 16.7 | 11.1 | 6.9 | 6.2 | 3.4 |

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 **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 | Lead | Fiberglass | Sulfuric acid |