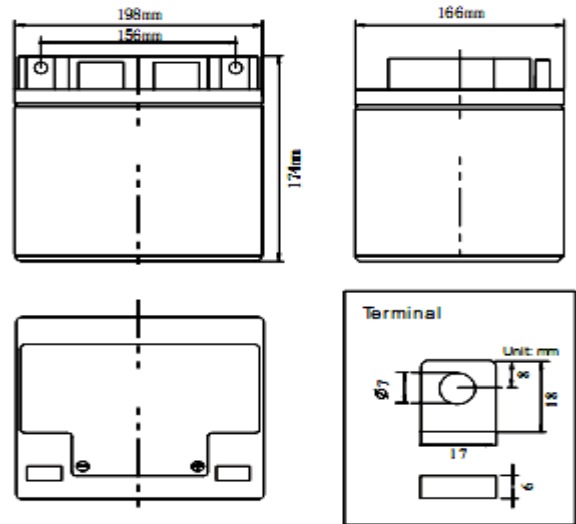


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 42Ah |
| Capacity 25°C (77 °F) | 20 hour rate (2.33A) | 46.62Ah |
| | 5 hour rate (7.69A) | 38.4Ah |
| | 1 hour rate (27.9A) | 27.9Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤10mΩ |
| 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 9.5A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 9.5A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 198mm |
| | Width | 166mm |
| | Height | 174mm |
| Box Dimensions | Total Height | 174mm |
| | Length | 213mm |
| | Width | 179mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 14 kg±100g |
| Net weight Per Box | | 14kg |
| Gross Weight | | 14.5kg |

Discharge Constant Current per Cell (Amperes at 77°F25°C)

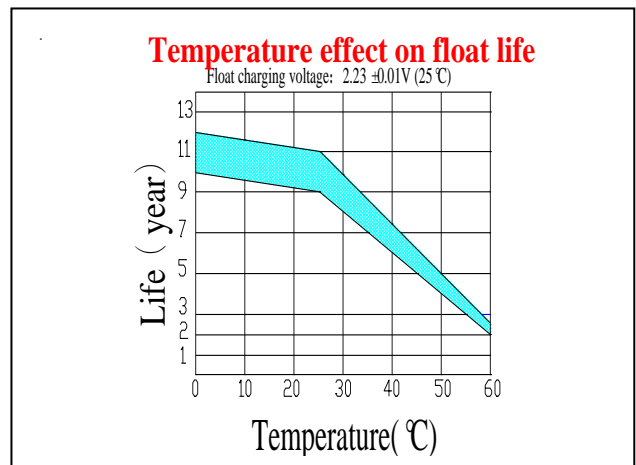
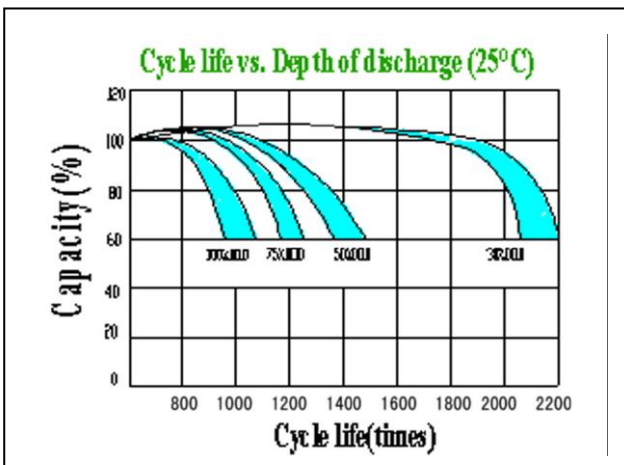
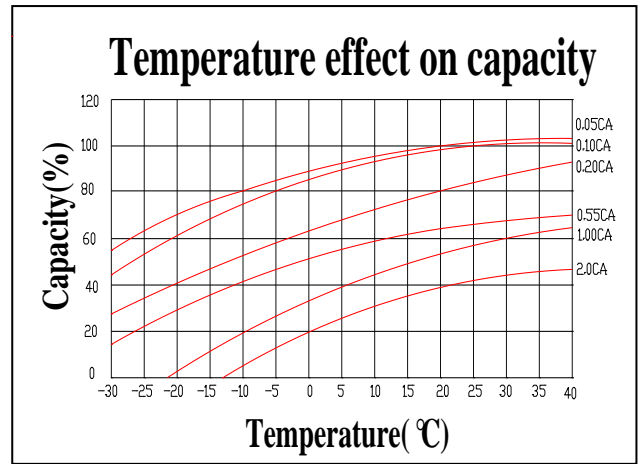
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|------|------|
| 1.60V | 134.5 | 89.6 | 67.5 | 42.0 | 30.2 | 26.6 | 16.2 | 11.9 | 7.6 | 4.7 | 4.16 | 2.31 |
| 1.65V | 124.0 | 82.6 | 64.7 | 40.9 | 29.3 | 25.9 | 15.9 | 11.6 | 7.5 | 4.6 | 4.12 | 2.29 |
| 1.70V | 117.7 | 78.4 | 61.9 | 39.8 | 28.5 | 25.2 | 15.6 | 11.4 | 7.4 | 4.6 | 4.08 | 2.26 |
| 1.75V | 111.4 | 74.2 | 59.1 | 38.6 | 27.7 | 24.5 | 15.3 | 11.2 | 7.3 | 4.5 | 4.04 | 2.24 |
| 1.80V | 105.1 | 70.0 | 56.3 | 37.5 | 26.9 | 23.8 | 14.9 | 10.9 | 7.2 | 4.5 | 4.00 | 2.22 |

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 | 250.8 | 167.1 | 126.0 | 78.4 | 56.2 | 49.6 | 30.2 | 22.1 | 14.2 | 8.7 | 7.8 | 4.3 |
| 1.65V | 231.2 | 154.0 | 120.7 | 76.3 | 54.7 | 48.3 | 29.7 | 21.7 | 14.0 | 8.6 | 7.7 | 4.3 |
| 1.70V | 219.5 | 146.2 | 115.5 | 74.2 | 53.2 | 47.0 | 29.1 | 21.3 | 13.8 | 8.5 | 7.6 | 4.2 |
| 1.75V | 207.7 | 138.4 | 110.2 | 72.1 | 51.7 | 45.6 | 28.4 | 20.8 | 13.6 | 8.4 | 7.5 | 4.2 |
| 1.80V | 196.0 | 130.6 | 105.0 | 70.0 | 50.2 | 44.3 | 27.8 | 20.3 | 13.4 | 8.4 | 7.5 | 4.1 |

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 | Colloid(GEL) |

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