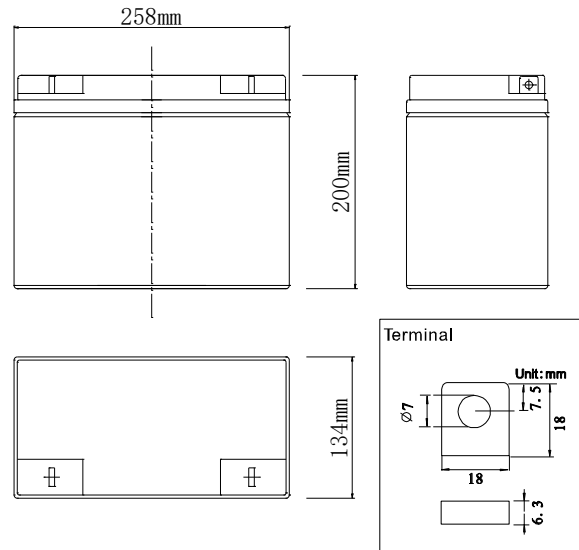


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (10 hour rate) | | 50Ah |
| Capacity 25°C (77 °F) | 20 hour rate (2.78A) | 55.6Ah |
| | 5 hour rate (9.1A) | 45.5Ah |
| | 1 hour rate (33.3A) | 33.3Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤8.4mΩ |
| 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 12.5A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 12.5A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|----------------|
| Battery Dimensions | Length | 258mm |
| | Width | 134mm |
| | Height | 200mm |
| | Total Height | 200mm |
| Box Dimensions | Length | 273mm |
| | Width | 149mm |
| | Height | 245mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 15.5 kg ±2100g |
| Net weight Per Box | | 15.5kg |
| Gross Weight | | 15.9kg |

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

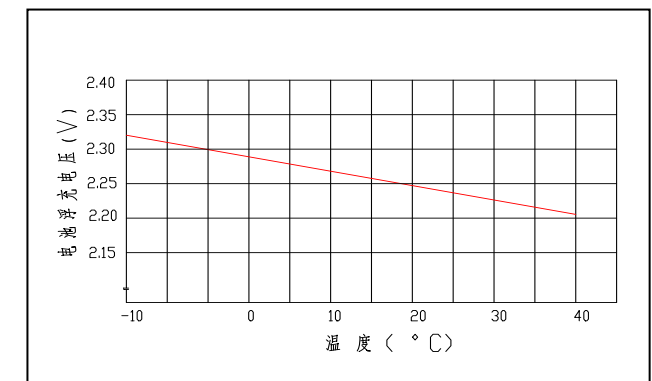
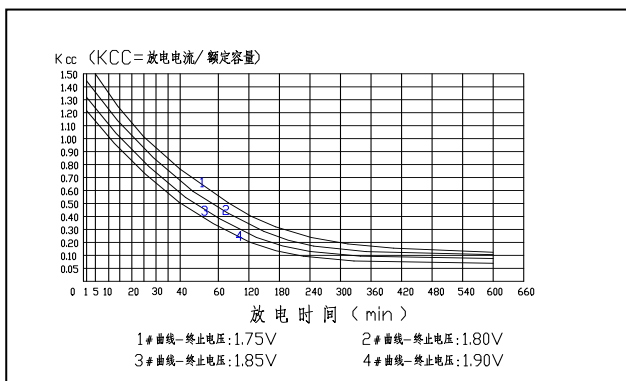
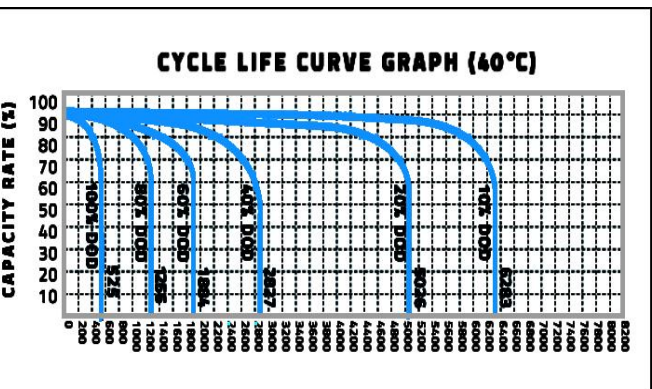
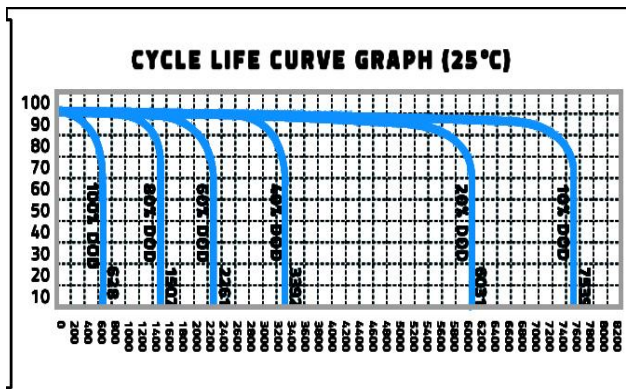
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|------|------|
| 1.60V | 168.1 | 112.0 | 84.4 | 52.5 | 37.7 | 33.3 | 20.3 | 14.8 | 9.5 | 5.8 | 5.20 | 2.89 |
| 1.65V | 155.0 | 103.3 | 80.9 | 51.1 | 36.7 | 32.4 | 19.9 | 14.6 | 9.4 | 5.8 | 5.15 | 2.86 |
| 1.70V | 157.6 | 105.0 | 77.4 | 49.7 | 35.7 | 31.5 | 19.5 | 14.3 | 9.3 | 5.7 | 5.10 | 2.83 |
| 1.75V | 139.2 | 92.8 | 73.9 | 48.3 | 34.7 | 30.6 | 19.1 | 13.9 | 9.1 | 5.7 | 5.05 | 2.80 |
| 1.80V | 131.4 | 87.5 | 70.4 | 46.9 | 33.7 | 29.7 | 18.6 | 13.6 | 9.0 | 5.6 | 5.00 | 2.78 |

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 | 313.6 | 208.9 | 157.4 | 98.0 | 70.3 | 62.0 | 37.8 | 27.6 | 17.8 | 10.9 | 9.7 | 5.4 |
| 1.65V | 289.1 | 192.6 | 150.9 | 95.3 | 68.4 | 60.4 | 37.1 | 27.1 | 17.5 | 10.8 | 9.6 | 5.3 |
| 1.70V | 294.0 | 195.8 | 144.3 | 92.7 | 66.5 | 58.7 | 36.4 | 26.6 | 17.3 | 10.7 | 9.5 | 5.3 |
| 1.75V | 259.7 | 173.0 | 137.8 | 90.1 | 64.6 | 57.1 | 35.6 | 26.0 | 17.0 | 10.5 | 9.4 | 5.2 |
| 1.80V | 245.0 | 163.2 | 131.2 | 87.5 | 62.8 | 55.4 | 34.7 | 25.4 | 16.8 | 10.4 | 9.3 | 5.2 |

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 | Nano |