

Product Image



Product Dimensions

Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 2V |
| Nominal Capacity (10 hour rate) | | 50Ah |
| Capacity 25°C (77°F) | 20 hour rate (2.65A) | 53Ah |
| | 5 hour rate (8.83A) | 44.2Ah |
| | 1 hour rate (27.5A) | 27.5Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤2m Ω |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | -20°C (-4°F) | 82% |
| | -35°C (-31°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 10A Voltage 2.24-2.28V |
| | Cycle | Initial Charging Current Less than 10A Voltage 2.33-2.37V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 161mm |
| | Width | 50mm |
| | Height | 166mm |
| | Total Height | 166mm |
| Box Dimensions | Length | 224mm |
| | Width | 187mm |
| | Height | 261mm |
| Quantity Per Box | | 2 PC per box |
| Net weight Per Cell | | 3.0 kg±200g |
| Net weight Per Box | | 6.0kg |
| Gross Weight | | 6.4kg |

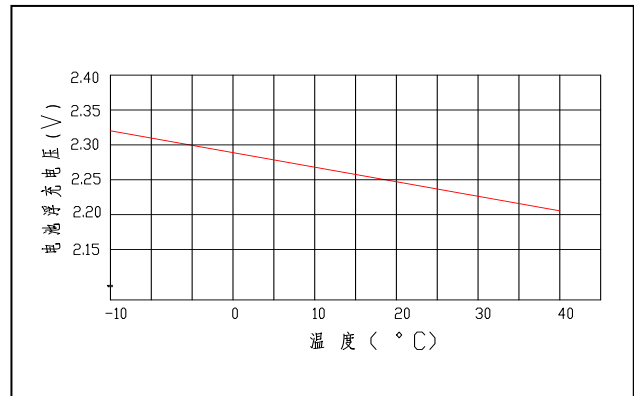
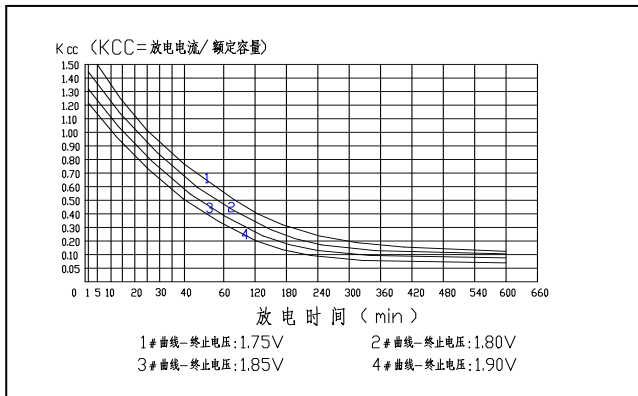
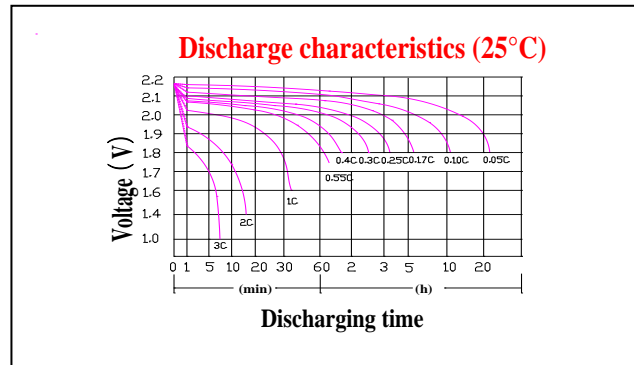
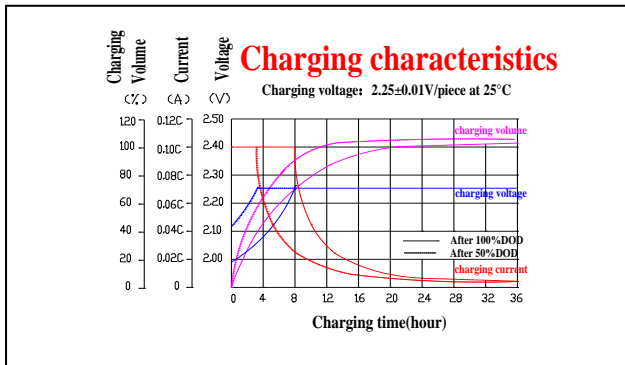
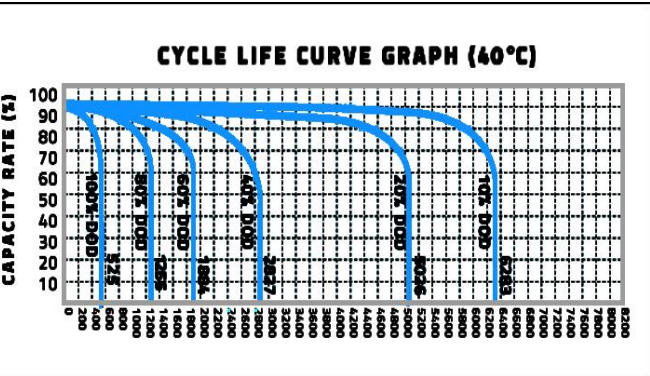
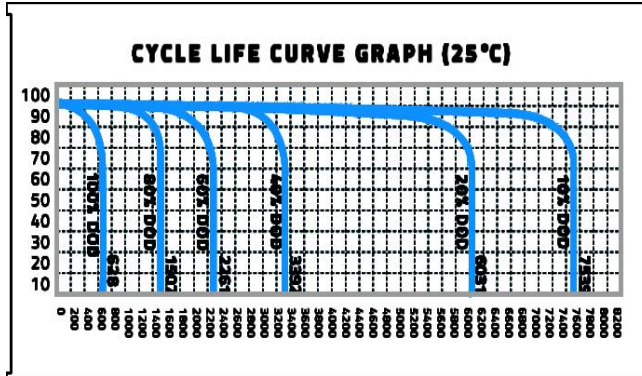
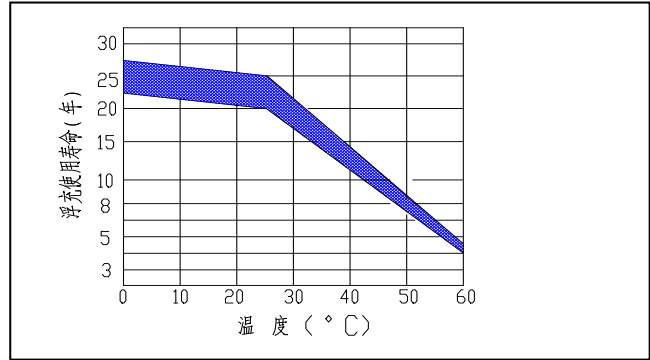
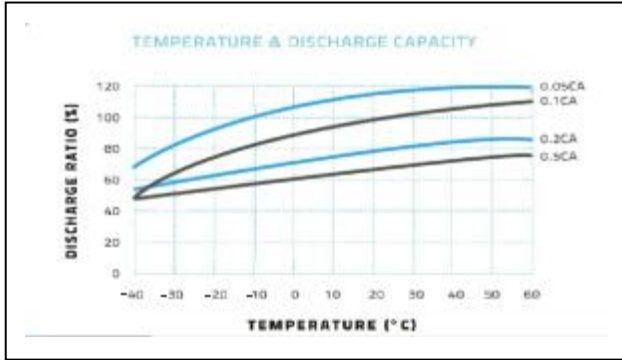
Discharge Constant Current per Cell (Amperes at 77°F25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|-----|-----|
| 1.60V | 144.5 | 92.9 | 77.4 | 51.6 | 37.0 | 31.9 | 14.1 | 13.8 | 9.4 | 6.2 | 5.5 | 2.9 |
| 1.65V | 141.9 | 91.2 | 76.0 | 50.7 | 36.4 | 31.3 | 13.8 | 13.5 | 9.2 | 6.1 | 5.4 | 2.9 |
| 1.70V | 139.3 | 89.5 | 74.6 | 49.7 | 35.7 | 30.8 | 13.6 | 13.3 | 9.0 | 6.0 | 5.3 | 2.8 |
| 1.75V | 136.6 | 87.9 | 73.2 | 48.8 | 35.0 | 30.2 | 13.3 | 13.0 | 8.9 | 5.8 | 5.2 | 2.8 |
| 1.80V | 131.4 | 84.5 | 70.4 | 46.9 | 33.7 | 29.0 | 12.8 | 12.5 | 8.5 | 5.6 | 5.0 | 2.7 |

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 | 278.2 | 178.8 | 149.0 | 99.3 | 71.3 | 61.4 | 27.1 | 26.5 | 18.0 | 11.9 | 10.6 | 5.6 |
| 1.65V | 273.1 | 175.6 | 146.3 | 97.5 | 70.0 | 60.3 | 26.6 | 26.0 | 17.7 | 11.7 | 10.4 | 5.5 |
| 1.70V | 268.0 | 172.3 | 143.6 | 95.7 | 68.7 | 59.2 | 26.1 | 25.5 | 17.4 | 11.5 | 10.2 | 5.4 |
| 1.75V | 263.0 | 169.1 | 140.9 | 93.9 | 67.4 | 58.1 | 25.7 | 25.1 | 17.0 | 11.2 | 10.0 | 5.3 |
| 1.80V | 252.9 | 162.6 | 135.4 | 90.3 | 64.8 | 55.9 | 24.7 | 24.1 | 16.4 | 10.8 | 9.7 | 5.1 |

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.



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 | Lead |

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