

Product Image



Product Dimensions

Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 4V |
| Nominal Capacity (20 hour rate) | | 3.2Ah |
| Capacity 25°C (77 °F) | 10 hour rate (0.31A) | 3.1Ah |
| | 5 hour rate (0.53A) | 3.0Ah |
| | 1 hour rate (2.1A) | 2.1Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤18mΩ |
| 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 1.5A Voltage 6.8-6.9V |
| | Cycle | Initial Charging Current Less than 1.5A Voltage 7.2-7.5V |

Packaging

| | | |
|-----------------------|-----------------|---------------|
| Battery Dimensions | Length | 91mm |
| | Width | 34mm |
| | Height | 61mm |
| | Total Height | 66mm |
| Box Dimensions | Length | 105mm |
| | Width | 320mm |
| | Height | 220mm |
| Quantity Per Box | | 30pcs per box |
| Net weight Per Cell | | 0.6 kg±50g |
| Net weight Per Box | | 18 kg |
| Gross Weight | | 18.6kg |

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

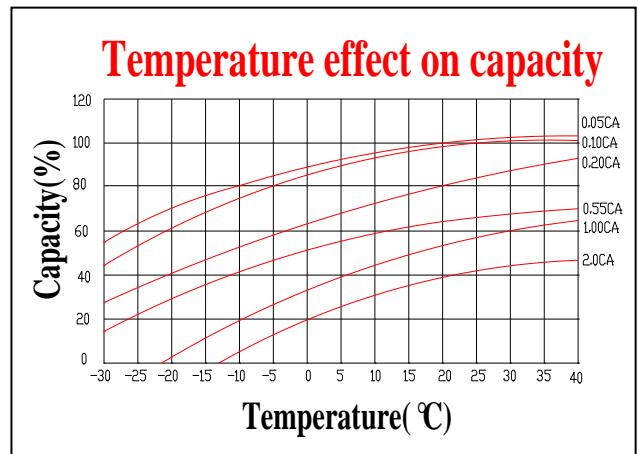
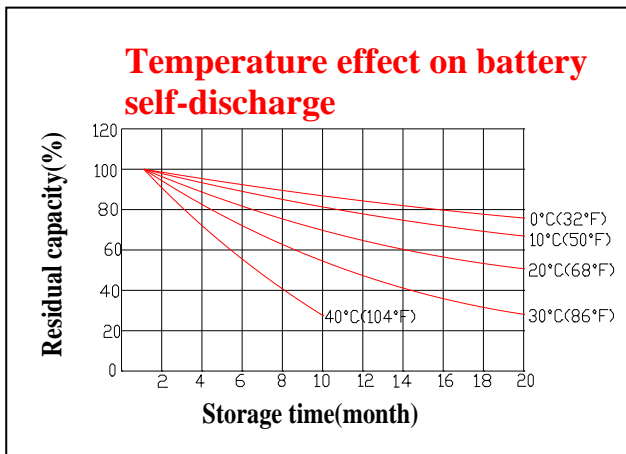
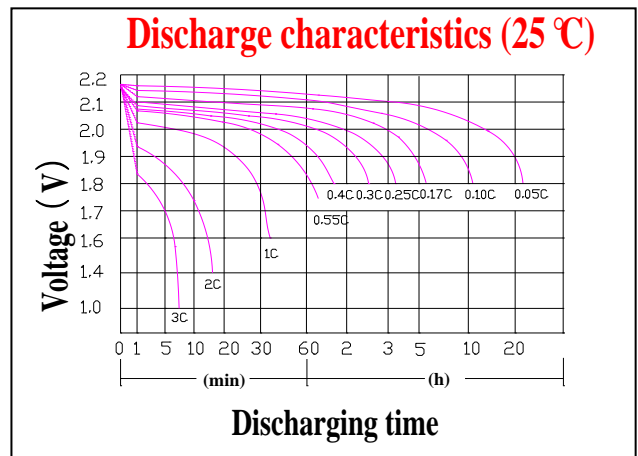
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 16.50 | 11.00 | 8.28 | 5.50 | 3.85 | 3.30 | 2.06 | 1.41 | 0.94 | 0.63 | 0.52 | 0.28 |
| 1.65V | 16.20 | 10.80 | 8.13 | 5.40 | 3.78 | 3.24 | 2.03 | 1.39 | 0.93 | 0.62 | 0.51 | 0.27 |
| 1.70V | 15.90 | 10.60 | 7.98 | 5.30 | 3.71 | 3.18 | 1.99 | 1.36 | 0.91 | 0.61 | 0.50 | 0.27 |
| 1.75V | 15.60 | 10.40 | 7.83 | 5.20 | 3.64 | 3.12 | 1.95 | 1.34 | 0.89 | 0.60 | 0.49 | 0.26 |
| 1.80V | 15.00 | 10.00 | 7.52 | 5.00 | 3.50 | 3.00 | 1.88 | 1.28 | 0.86 | 0.58 | 0.48 | 0.25 |

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 | 31.76 | 21.18 | 15.93 | 10.59 | 7.41 | 6.35 | 3.97 | 2.72 | 1.81 | 1.22 | 1.01 | 0.53 |
| 1.65V | 31.19 | 20.79 | 15.64 | 10.40 | 7.28 | 6.24 | 3.90 | 2.67 | 1.78 | 1.20 | 0.99 | 0.52 |
| 1.70V | 30.61 | 20.41 | 15.35 | 10.20 | 7.14 | 6.12 | 3.83 | 2.62 | 1.75 | 1.18 | 0.97 | 0.51 |
| 1.75V | 30.03 | 20.02 | 15.06 | 10.01 | 7.01 | 6.01 | 3.75 | 2.57 | 1.72 | 1.15 | 0.95 | 0.50 |
| 1.80V | 28.88 | 19.25 | 14.48 | 9.63 | 6.74 | 5.78 | 3.61 | 2.47 | 1.65 | 1.11 | 0.92 | 0.48 |

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 |