

Product Image



Product Dimensions

Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 2.6Ah |
| Capacity 25°C (77 °F) | 10 hour rate (0.25A) | 2.49Ah |
| | 5 hour rate (0.46A) | 2.31Ah |
| | 1 hour rate (1.71A) | 1.71Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤40mΩ |
| 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 0.78A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 0.63A |

Packaging

| | | |
|-----------------------|-----------------|---------------|
| Battery Dimensions | Length | 70mm |
| | Width | 47mm |
| | Height | 101mm |
| | Total Height | 106mm |
| Box Dimensions | Length | 419mm |
| | Width | 192mm |
| | Height | 188mm |
| Quantity Per Box | | 20 PC per box |
| Net weight Per Cell | | 1.0kg±50g |
| Net weight Per Box | | 20kg |
| Gross Weight | | 20.5kg |

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 | 7.3 | 4.8 | 3.6 | 2.42 | 1.69 | 1.45 | 0.91 | 0.62 | 0.41 | 0.28 | 0.23 | 0.12 |
| 1.65V | 7.1 | 4.8 | 3.6 | 2.38 | 1.66 | 1.43 | 0.89 | 0.61 | 0.41 | 0.27 | 0.23 | 0.12 |
| 1.70V | 7.0 | 4.7 | 3.5 | 2.33 | 1.63 | 1.40 | 0.87 | 0.60 | 0.40 | 0.27 | 0.22 | 0.12 |
| 1.75V | 6.9 | 4.6 | 3.4 | 2.29 | 1.60 | 1.37 | 0.86 | 0.59 | 0.39 | 0.26 | 0.22 | 0.11 |
| 1.80V | 6.6 | 4.4 | 3.3 | 2.20 | 1.54 | 1.32 | 0.83 | 0.57 | 0.38 | 0.25 | 0.21 | 0.11 |

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 | 14.0 | 9.3 | 7.0 | 4.66 | 3.26 | 2.80 | 1.75 | 1.20 | 0.80 | 0.54 | 0.44 | 0.23 |
| 1.65V | 13.7 | 9.1 | 6.9 | 4.57 | 3.20 | 2.74 | 1.72 | 1.18 | 0.78 | 0.53 | 0.44 | 0.23 |
| 1.70V | 13.5 | 9.0 | 6.8 | 4.49 | 3.14 | 2.69 | 1.68 | 1.15 | 0.77 | 0.52 | 0.43 | 0.22 |
| 1.75V | 13.2 | 8.8 | 6.6 | 4.40 | 3.08 | 2.64 | 1.65 | 1.13 | 0.75 | 0.51 | 0.42 | 0.22 |
| 1.80V | 12.7 | 8.5 | 6.4 | 4.24 | 2.96 | 2.54 | 1.59 | 1.09 | 0.73 | 0.49 | 0.40 | 0.21 |

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) |