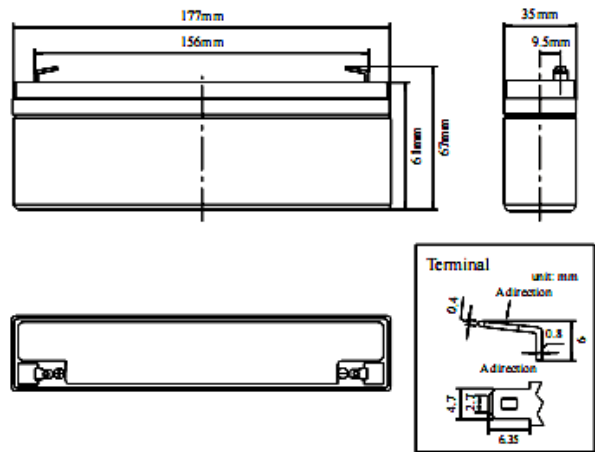


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 2.1Ah |
| Capacity 25°C (77 °F) | 10 hour rate (0.19A) | 1.9Ah |
| | 5 hour rate (0.37A) | 1.86Ah |
| | 1 hour rate (1.39A) | 1.39Ah |
| 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 0.6A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 0.6A Voltage 14.4-15.0V |

Packaging

| | | |
|-----------------------|-----------------|---------------|
| Battery Dimensions | Length | 177mm |
| | Width | 35mm |
| | Height | 61mm |
| | Total Height | 67mm |
| Box Dimensions | Length | 419mm |
| | Width | 192mm |
| | Height | 188mm |
| Quantity Per Box | | 20 PC per box |
| Net weight Per Cell | | 0.82kg ±50g |
| Net weight Per Box | | 16.2kg |
| Gross Weight | | 16.7kg |

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

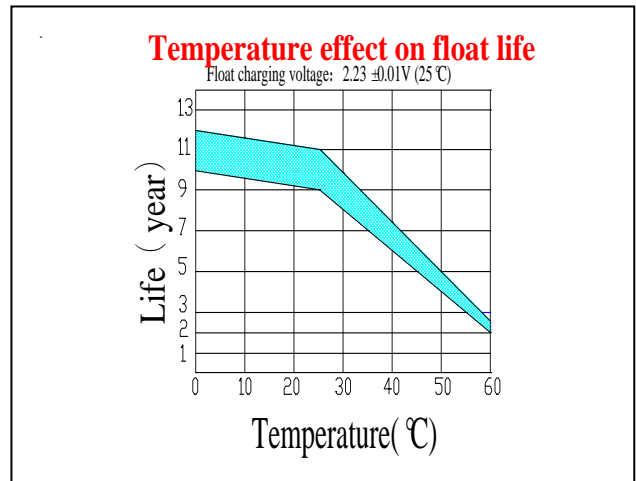
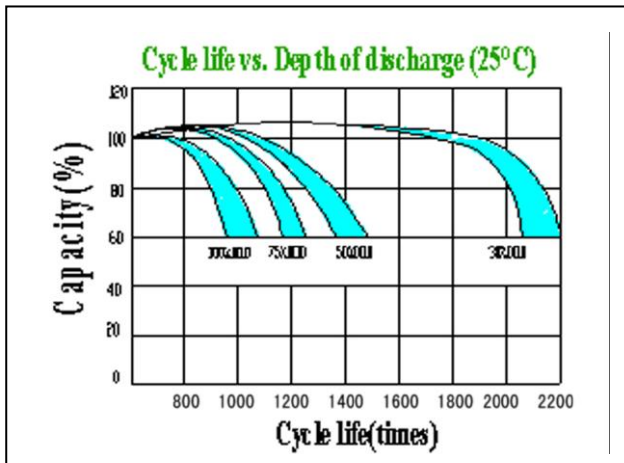
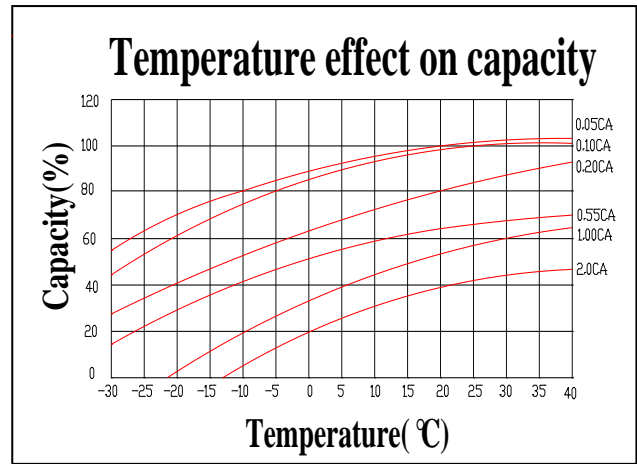
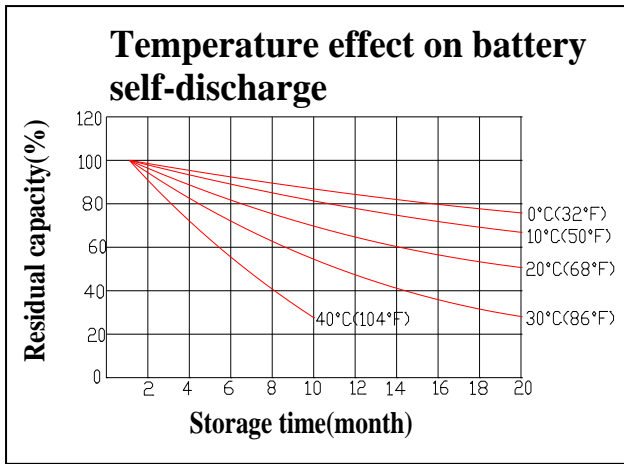
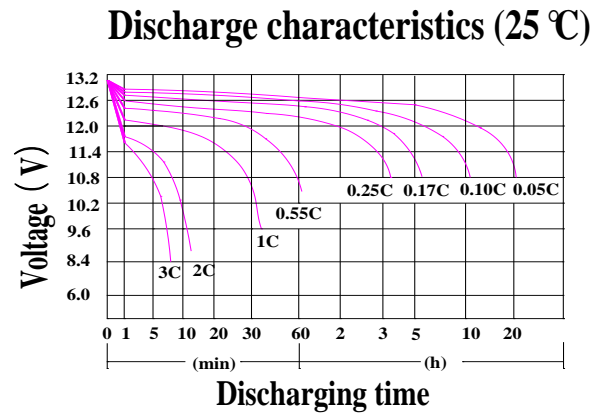
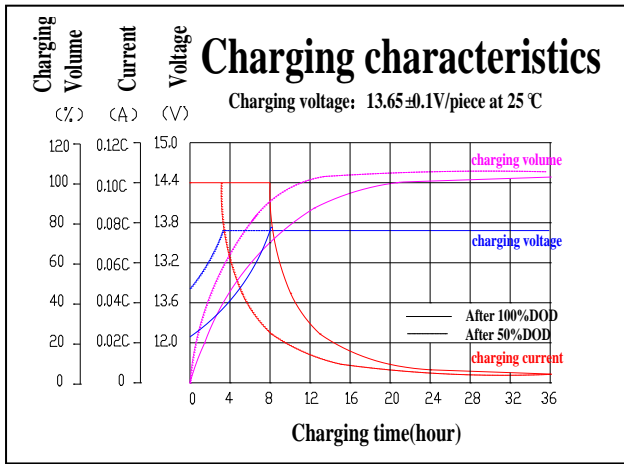
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 6.60 | 4.40 | 3.31 | 2.20 | 1.54 | 1.32 | 0.83 | 0.57 | 0.38 | 0.25 | 0.21 | 0.11 |
| 1.65V | 6.48 | 4.32 | 3.25 | 2.16 | 1.51 | 1.30 | 0.81 | 0.56 | 0.37 | 0.25 | 0.21 | 0.11 |
| 1.70V | 6.36 | 4.24 | 3.19 | 2.12 | 1.48 | 1.27 | 0.80 | 0.54 | 0.36 | 0.24 | 0.20 | 0.11 |
| 1.75V | 6.24 | 4.16 | 3.13 | 2.08 | 1.46 | 1.25 | 0.78 | 0.53 | 0.36 | 0.24 | 0.20 | 0.10 |
| 1.80V | 6.00 | 4.00 | 3.01 | 2.00 | 1.40 | 1.20 | 0.75 | 0.51 | 0.34 | 0.23 | 0.19 | 0.10 |

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 | 12.71 | 8.47 | 6.37 | 4.24 | 2.96 | 2.54 | 1.59 | 1.09 | 0.73 | 0.49 | 0.40 | 0.21 |
| 1.65V | 12.47 | 8.32 | 6.26 | 4.16 | 2.91 | 2.49 | 1.56 | 1.07 | 0.71 | 0.48 | 0.40 | 0.21 |
| 1.70V | 12.24 | 8.16 | 6.14 | 4.08 | 2.86 | 2.45 | 1.53 | 1.05 | 0.70 | 0.47 | 0.39 | 0.20 |
| 1.75V | 12.01 | 8.01 | 6.03 | 4.00 | 2.80 | 2.40 | 1.50 | 1.03 | 0.69 | 0.46 | 0.38 | 0.20 |
| 1.80V | 11.55 | 7.70 | 5.79 | 3.85 | 2.70 | 2.31 | 1.44 | 0.99 | 0.66 | 0.44 | 0.37 | 0.19 |

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 **MCA** 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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