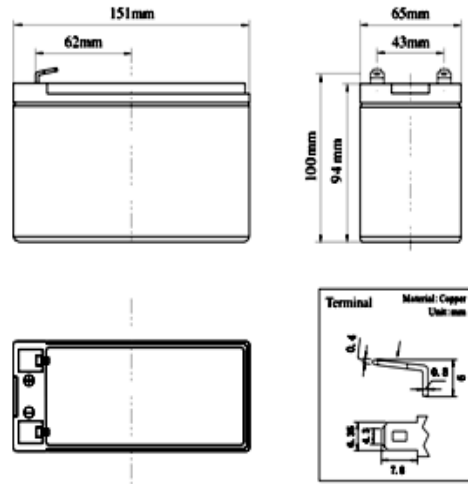


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 7.2Ah |
| Capacity 25°C (77°F) | 10 hour rate (0.69A) | 6.9Ah |
| | 5 hour rate (1.28A) | 6.4Ah |
| | 1 hour rate (4.75A) | 4.75Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤21mΩ |
| 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 2.1A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 2.1A Voltage 14.4-15.0V |

Packaging

| | | |
|-----------------------|-----------------|---------------|
| Battery Dimensions | Length | 151mm |
| | Width | 65mm |
| | Height | 94mm |
| | Total Height | 100mm |
| Box Dimensions | Length | 364mm |
| | Width | 165mm |
| | Height | 141mm |
| Quantity Per Box | | 5 pcs per box |
| Net weight Per Cell | | 2.20 kg±100g |
| Net weight Per Box | | 11.00kg |
| Gross Weight | | 11.75 kg |

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

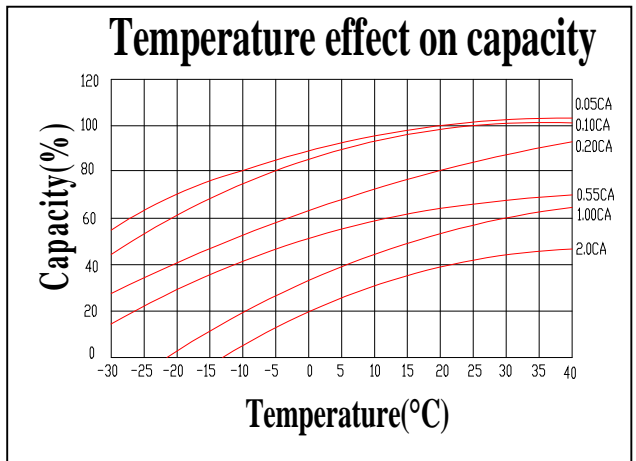
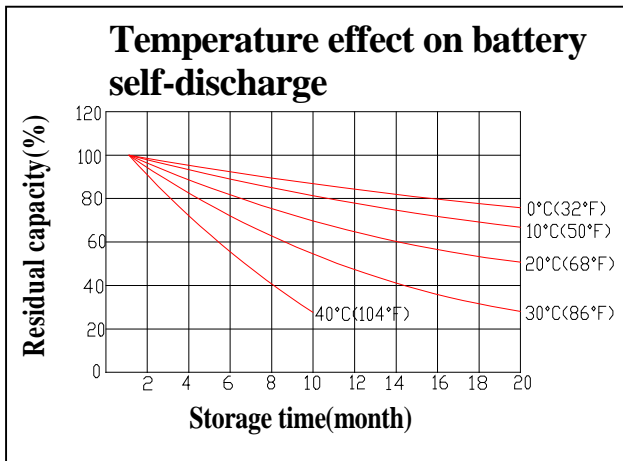
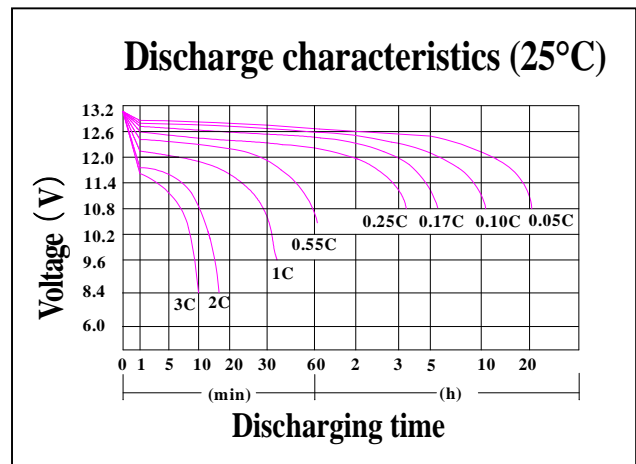
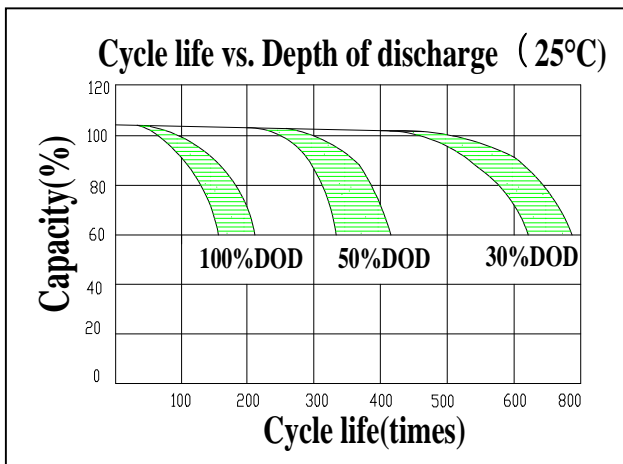
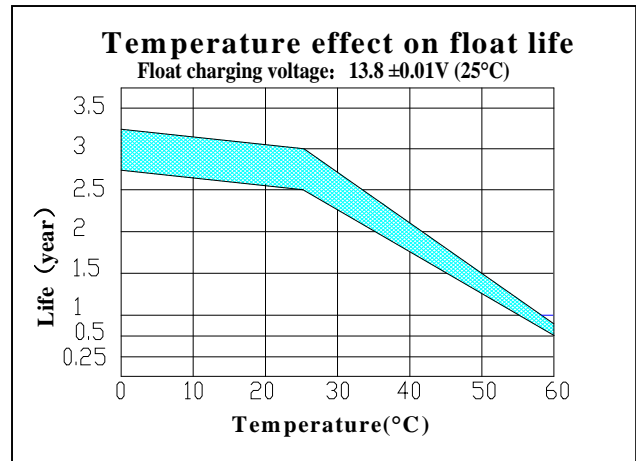
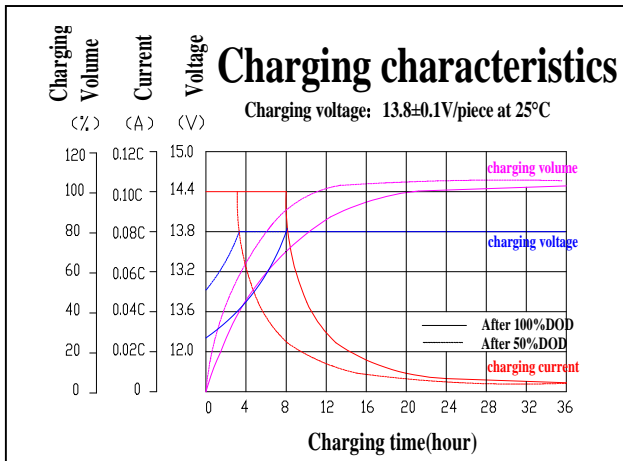
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 23.8 | 15.8 | 11.9 | 7.92 | 5.54 | 4.75 | 2.97 | 2.04 | 1.36 | 0.91 | 0.75 | 0.40 |
| 1.65V | 23.3 | 15.6 | 11.7 | 7.78 | 5.44 | 4.67 | 2.92 | 2.00 | 1.33 | 0.90 | 0.74 | 0.39 |
| 1.70V | 22.9 | 15.3 | 11.5 | 7.63 | 5.34 | 4.58 | 2.86 | 1.96 | 1.31 | 0.88 | 0.73 | 0.38 |
| 1.75V | 22.5 | 15.0 | 11.3 | 7.49 | 5.24 | 4.49 | 2.81 | 1.92 | 1.28 | 0.86 | 0.71 | 0.37 |
| 1.80V | 21.6 | 14.4 | 10.8 | 7.20 | 5.04 | 4.32 | 2.70 | 1.85 | 1.23 | 0.83 | 0.69 | 0.36 |

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 | 45.7 | 30.5 | 22.9 | 15.25 | 10.67 | 9.15 | 5.72 | 3.92 | 2.61 | 1.76 | 1.45 | 0.76 |
| 1.65V | 44.9 | 29.9 | 22.5 | 14.97 | 10.48 | 8.98 | 5.61 | 3.85 | 2.56 | 1.72 | 1.42 | 0.75 |
| 1.70V | 44.1 | 29.4 | 22.1 | 14.69 | 10.28 | 8.81 | 5.51 | 3.78 | 2.52 | 1.69 | 1.40 | 0.73 |
| 1.75V | 43.2 | 28.8 | 21.7 | 14.41 | 10.09 | 8.65 | 5.41 | 3.70 | 2.47 | 1.66 | 1.37 | 0.72 |
| 1.80V | 41.6 | 27.7 | 20.9 | 13.86 | 9.70 | 8.32 | 5.20 | 3.56 | 2.37 | 1.60 | 1.32 | 0.69 |

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 | Copper | Fiberglass | Sulfuric acid |