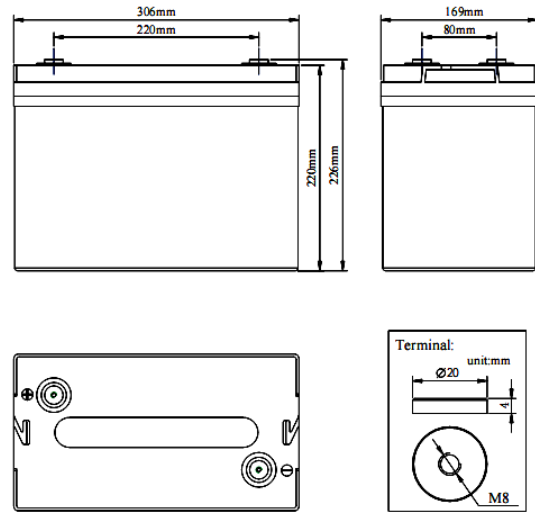


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|---|
| Nominal Voltage | | 6V |
| Nominal Capacity (20 hour rate) | | 220Ah |
| Capacity 25°C (77°F) | 10 hour rate (19.8A) | 198Ah |
| | 5 hour rate (35.0A) | 175Ah |
| | 1 hour rate (122A) | 122Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤2.8mΩ |
| Capacity affected by Temperature (10 hour) | 40°C (104°F) | 102% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 90% |
| | -15°C (5°F) | 70% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 92% |
| | after 6 month storage | 84% |
| | after 12 month storage | 65% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 44A Voltage 6.8-6.9V |
| | Cycle | Initial Charging Current Less than 44A Voltage 7.2-7.45V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 306mm |
| | Width | 169mm |
| | Height | 220mm |
| | Total Height | 226mm |
| Box Dimensions | Length | 321mm |
| | Width | 183mm |
| | Height | 265mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 32.0 kg±200g |
| Net weight Per Box | | 32.0kg |
| Gross Weight | | 32.5kg |

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

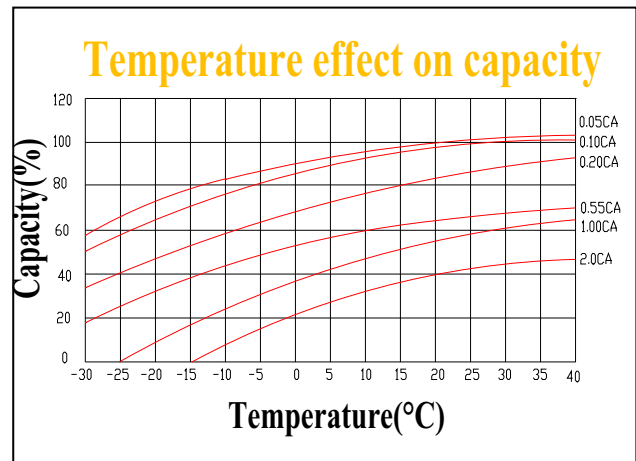
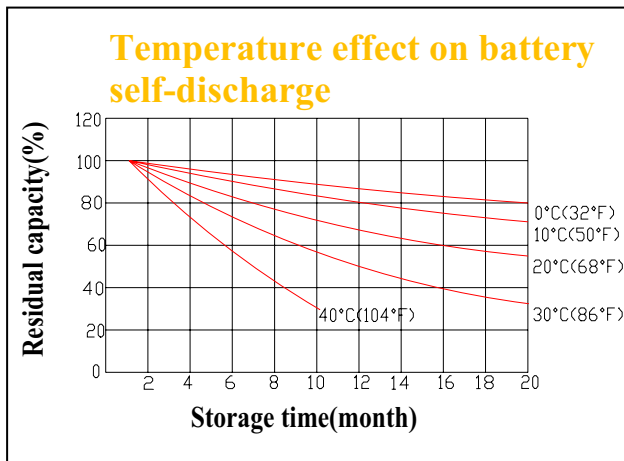
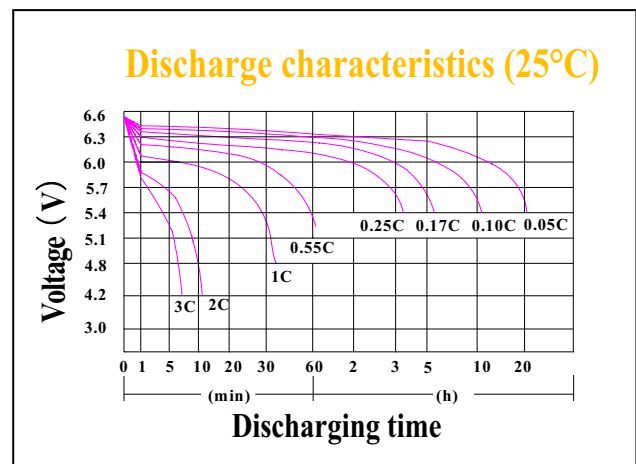
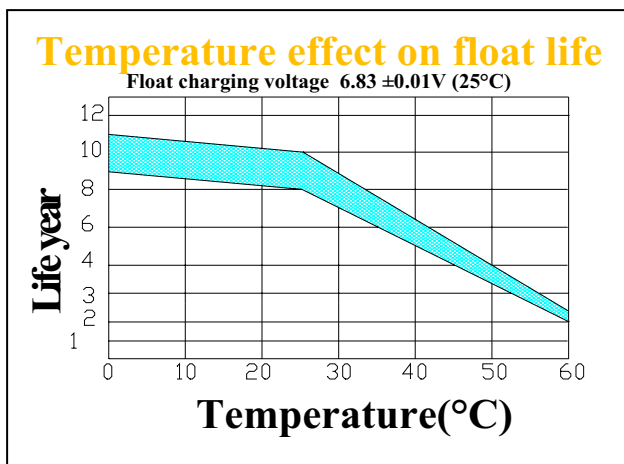
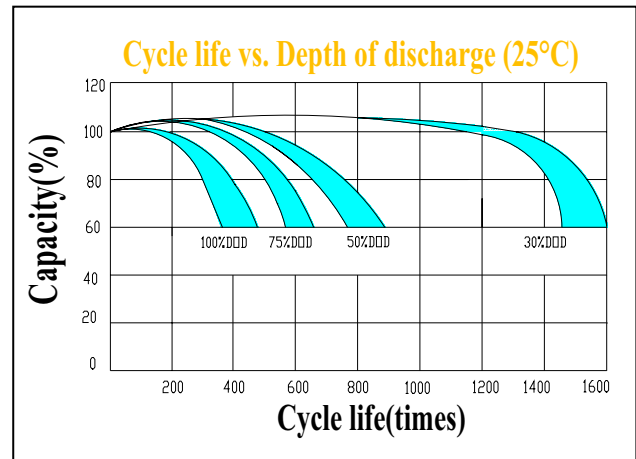
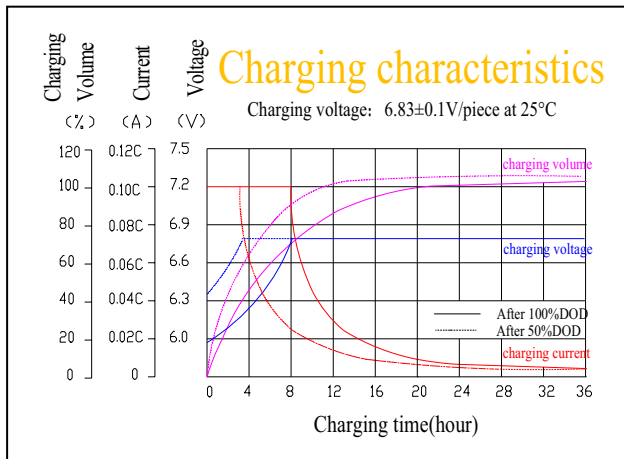
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1.60V | 522.7 | 333.2 | 283.1 | 180.8 | 132.9 | 122.0 | 77.5 | 54.5 | 37.0 | 24.4 | 21.8 | 12.1 |
| 1.65V | 513.2 | 327.2 | 278.0 | 177.5 | 130.4 | 119.8 | 76.1 | 53.5 | 36.4 | 24.0 | 21.4 | 11.9 |
| 1.70V | 503.7 | 321.1 | 272.8 | 174.2 | 128.0 | 117.5 | 74.7 | 52.5 | 35.7 | 23.5 | 21.0 | 11.7 |
| 1.75V | 494.2 | 315.1 | 267.7 | 170.9 | 125.6 | 115.3 | 73.3 | 51.5 | 35.0 | 23.1 | 20.6 | 11.4 |
| 1.80V | 475.2 | 302.9 | 257.4 | 164.3 | 120.8 | 110.9 | 70.5 | 49.5 | 33.7 | 22.2 | 19.8 | 11.00 |

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 | 1006.2 | 641.5 | 545.0 | 348.0 | 255.8 | 234.8 | 149.3 | 104.8 | 71.3 | 47.0 | 41.9 | 23.3 |
| 1.65V | 987.9 | 629.8 | 535.1 | 341.7 | 251.1 | 230.5 | 146.5 | 102.9 | 70.0 | 46.1 | 41.2 | 22.9 |
| 1.70V | 969.6 | 618.1 | 525.2 | 335.3 | 246.5 | 226.3 | 143.8 | 101.0 | 68.7 | 45.3 | 40.4 | 22.4 |
| 1.75V | 951.4 | 606.5 | 515.3 | 329.0 | 241.8 | 222.0 | 141.1 | 99.1 | 67.4 | 44.4 | 39.6 | 22.0 |
| 1.80V | 914.8 | 583.2 | 495.5 | 316.4 | 232.5 | 213.4 | 135.7 | 95.3 | 64.8 | 42.7 | 38.1 | 21.2 |

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 | GEL |