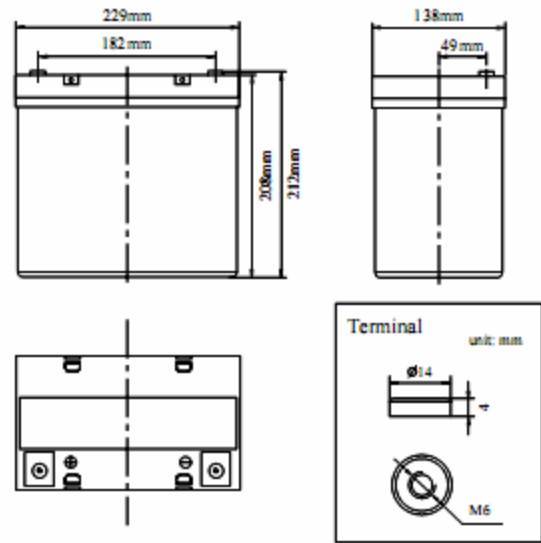


Product Image



Product Dimensions



Characteristics

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Solar Capacity (100 hour rate) | | 75Ah |
| Capacity 25°C (77°F) | 20 hour rate (3.05A) | 61.0Ah |
| | 5 hour rate (10.0A) | 50Ah |
| | 1 hour rate (36.6A) | 36.6Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤8.2m Ω |
| 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 13.8A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 13.8A Voltage 14.4-14.9V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 229mm |
| | Width | 138mm |
| | Height | 208mm |
| | Total Height | 212mm |
| Box Dimensions | Length | 244mm |
| | Width | 152mm |
| | Height | 254mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 18.2 kg±200g |
| Net weight Per Box | | 18.2kg |
| Gross Weight | | 18.6kg |

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

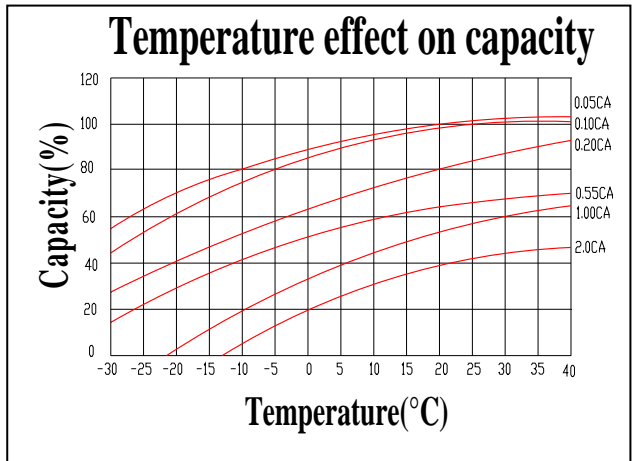
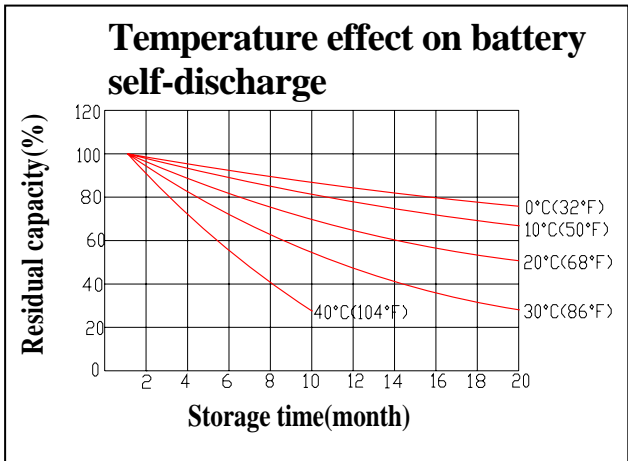
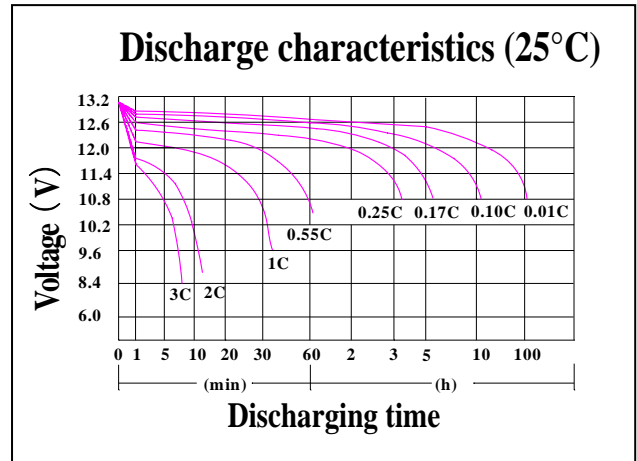
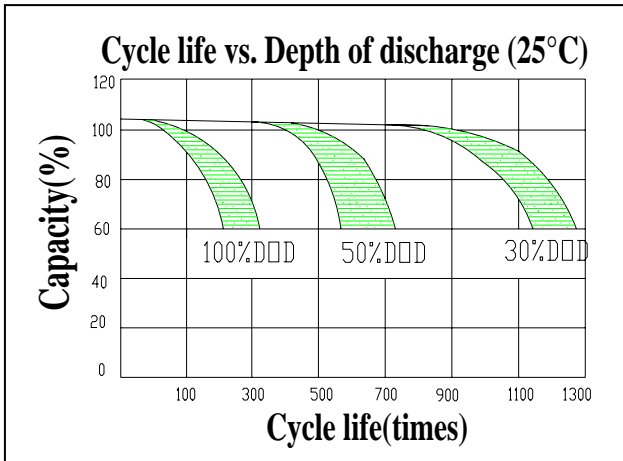
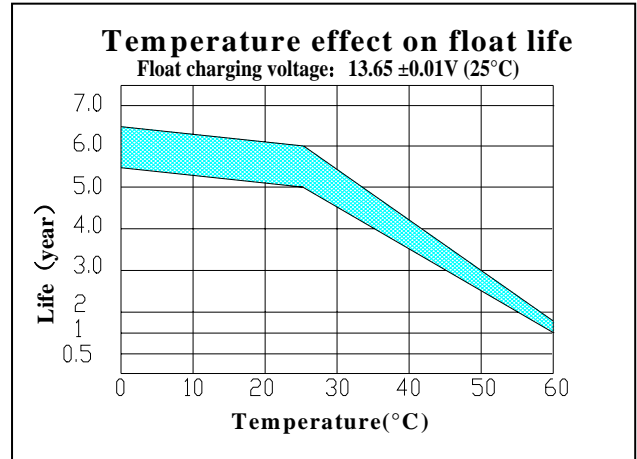
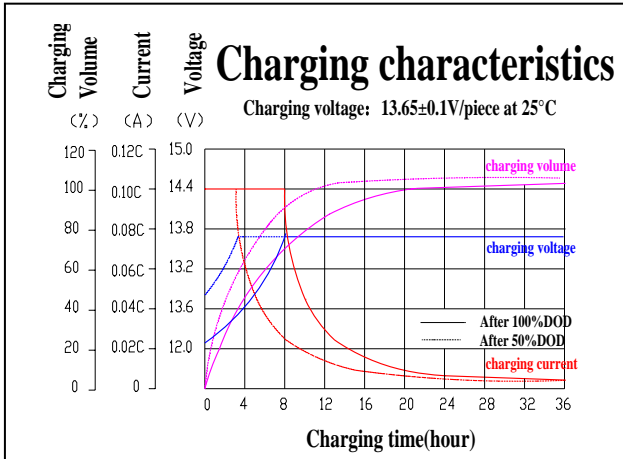
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|-----|------|------|
| 1.60V | 184.9 | 123.2 | 92.9 | 57.8 | 41.5 | 36.6 | 22.3 | 16.3 | 10.5 | 6.4 | 5.72 | 3.17 |
| 1.65V | 170.5 | 113.6 | 89.0 | 56.2 | 40.3 | 35.6 | 21.9 | 16.0 | 10.3 | 6.3 | 5.67 | 3.14 |
| 1.70V | 173.4 | 115.5 | 85.1 | 54.7 | 39.2 | 34.6 | 21.5 | 15.7 | 10.2 | 6.3 | 5.61 | 3.11 |
| 1.75V | 153.2 | 102.0 | 81.3 | 53.1 | 38.1 | 33.7 | 21.0 | 15.3 | 10.0 | 6.2 | 5.56 | 3.08 |
| 1.80V | 144.5 | 96.3 | 77.4 | 51.6 | 37.0 | 32.7 | 20.5 | 15.0 | 9.9 | 6.2 | 5.50 | 3.05 |

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 | 344.9 | 229.8 | 173.2 | 107.8 | 77.3 | 68.2 | 41.6 | 30.4 | 19.6 | 11.9 | 10.7 | 5.9 |
| 1.65V | 318.0 | 211.8 | 166.0 | 104.9 | 75.2 | 66.4 | 40.8 | 29.9 | 19.3 | 11.8 | 10.6 | 5.9 |
| 1.70V | 323.4 | 215.4 | 158.8 | 102.0 | 73.2 | 64.6 | 40.1 | 29.3 | 19.0 | 11.7 | 10.5 | 5.8 |
| 1.75V | 285.6 | 190.3 | 151.5 | 99.1 | 71.1 | 62.8 | 39.1 | 28.6 | 18.7 | 11.6 | 10.4 | 5.7 |
| 1.80V | 269.5 | 179.5 | 144.3 | 96.2 | 69.0 | 60.9 | 38.2 | 27.9 | 18.5 | 11.5 | 10.3 | 5.7 |

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 TWb 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 |

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 TWb for the latest information.