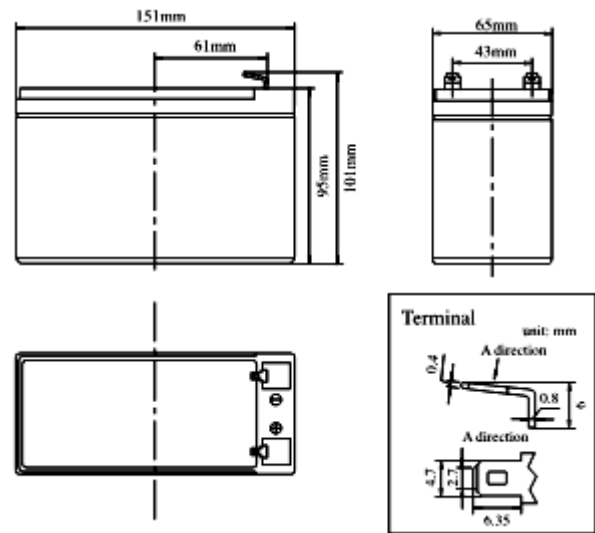


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|---|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 7.5Ah |
| Capacity 25°C (77 °F) | 10 hour rate (0.72A) | 7.18Ah |
| | 5 hour rate (1.34A) | 6.68Ah |
| | 1 hour rate (4.95A) | 4.95Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤20mΩ |
| 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 | 95mm |
| | Total Height | 101mm |
| Box Dimensions | Length | 364mm |
| | Width | 165mm |
| | Height | 141mm |
| Quantity Per Box | | 5 pcs per box |
| Net weight Per Cell | | 2.3kg±100g |
| Net weight Per Box | | 11.5kg |
| Gross Weight | | 12.0kg |

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

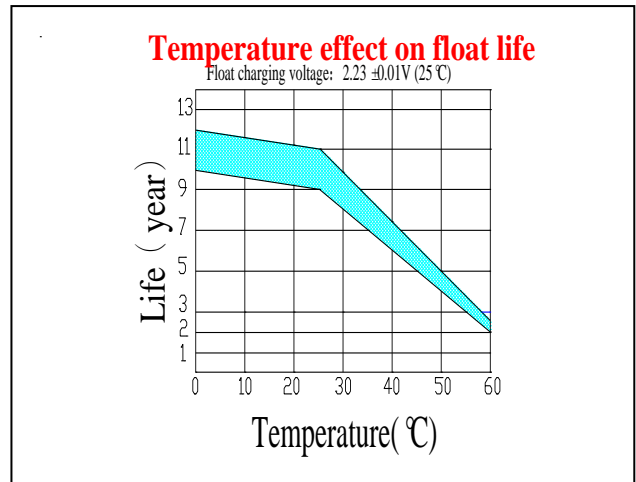
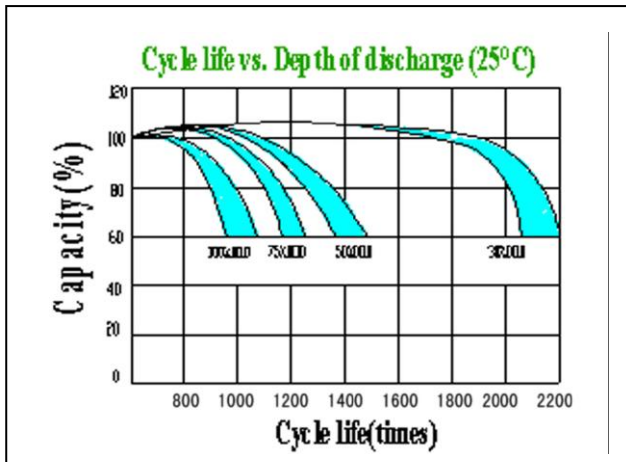
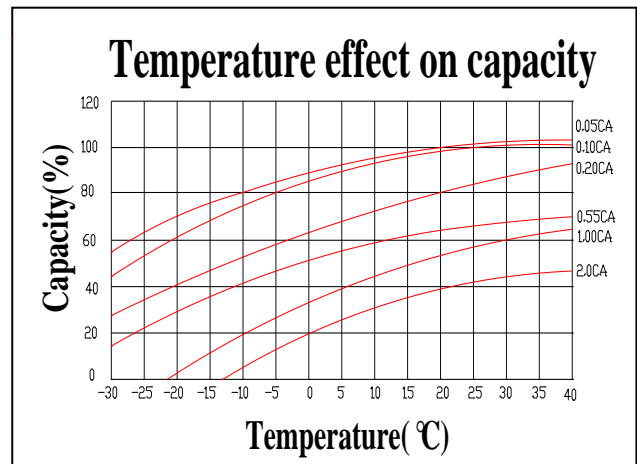
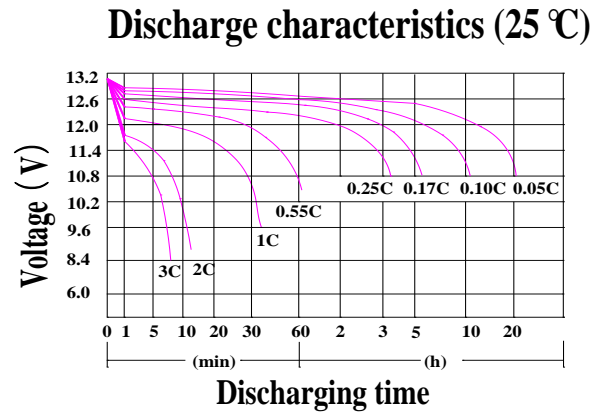
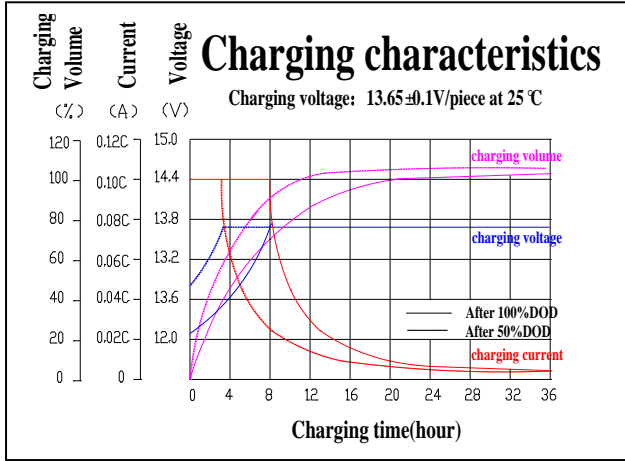
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 23.10 | 15.40 | 11.59 | 7.70 | 5.39 | 4.62 | 2.89 | 1.98 | 1.32 | 0.89 | 0.73 | 0.39 |
| 1.65V | 22.68 | 15.12 | 11.38 | 7.56 | 5.29 | 4.54 | 2.84 | 1.94 | 1.30 | 0.87 | 0.72 | 0.38 |
| 1.70V | 22.26 | 14.84 | 11.17 | 7.42 | 5.19 | 4.45 | 2.78 | 1.91 | 1.27 | 0.85 | 0.71 | 0.37 |
| 1.75V | 21.84 | 14.56 | 10.96 | 7.28 | 5.10 | 4.37 | 2.73 | 1.87 | 1.25 | 0.84 | 0.69 | 0.36 |
| 1.80V | 21.00 | 14.00 | 10.53 | 7.00 | 4.90 | 4.20 | 2.63 | 1.80 | 1.20 | 0.81 | 0.67 | 0.35 |

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 | 44.47 | 29.65 | 22.31 | 14.82 | 10.38 | 8.89 | 5.56 | 3.81 | 2.54 | 1.71 | 1.41 | 0.74 |
| 1.65V | 43.66 | 29.11 | 21.90 | 14.55 | 10.19 | 8.73 | 5.46 | 3.74 | 2.49 | 1.68 | 1.39 | 0.73 |
| 1.70V | 42.85 | 28.57 | 21.49 | 14.28 | 10.00 | 8.57 | 5.36 | 3.67 | 2.45 | 1.65 | 1.36 | 0.71 |
| 1.75V | 42.04 | 28.03 | 21.09 | 14.01 | 9.81 | 8.41 | 5.26 | 3.60 | 2.40 | 1.61 | 1.33 | 0.70 |
| 1.80V | 40.43 | 26.95 | 20.28 | 13.48 | 9.43 | 8.09 | 5.05 | 3.46 | 2.31 | 1.55 | 1.28 | 0.67 |

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 | Sulfuric acid |

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