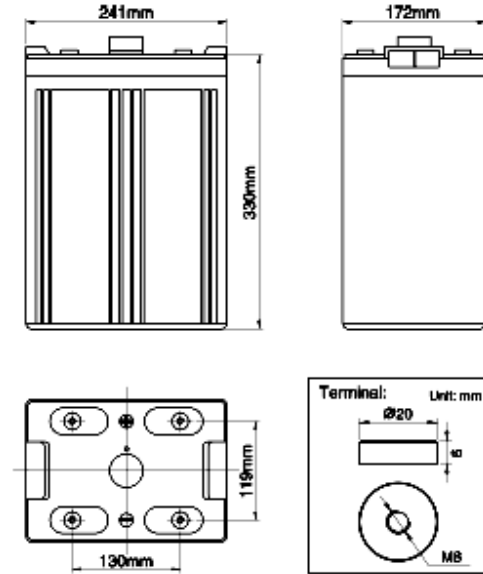


Product Image



Product Dimensions



Characteristics

| | | |
|--|---------------------------|--|
| Nominal Voltage | | 2V |
| Nominal Capacity (10 hour rate) | | 500Ah |
| Capacity 25°C (77 °F) | 20 hour rate (26.5A) | 530Ah |
| | 5 hour rate (88.4A) | 442Ah |
| | 1 hour rate (275A) | 275Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤0.31mΩ |
| 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 75A Voltage 2.23-2.27V |
| | Cycle | Initial Charging Current Less than 75A Voltage 2.33-2.37V |

Packaging

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 241mm |
| | Width | 172mm |
| | Height | 330mm |
| | Total Height | 366mm |
| Box Dimensions | Length | 256mm |
| | Width | 186mm |
| | Height | 423mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 32.5 kg±500g |
| Net weight Per Box | | 32.5kg |
| Gross Weight | | 33.0kg |

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

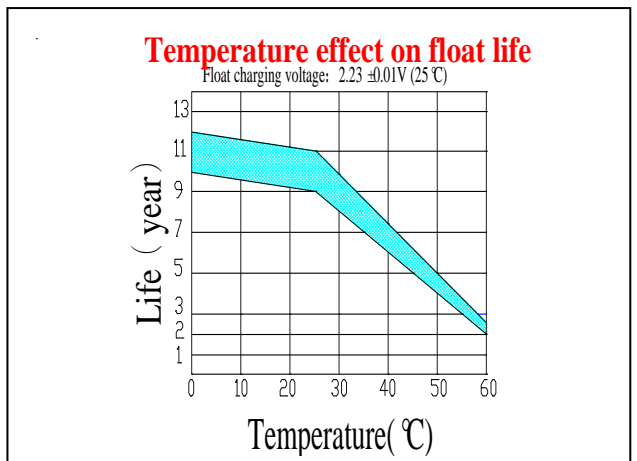
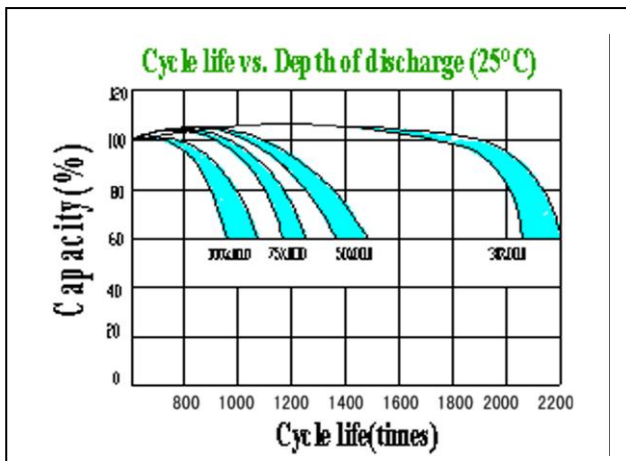
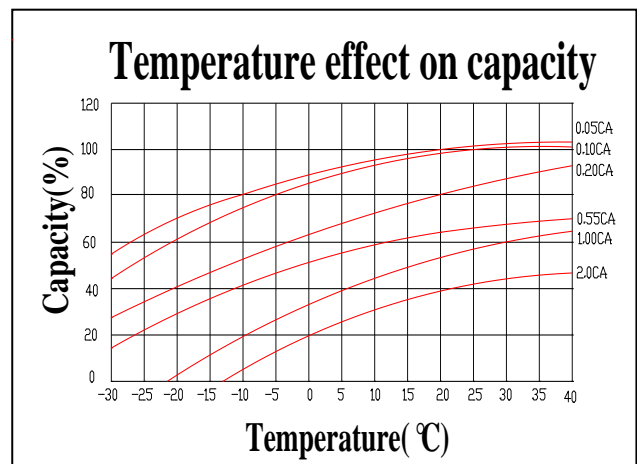
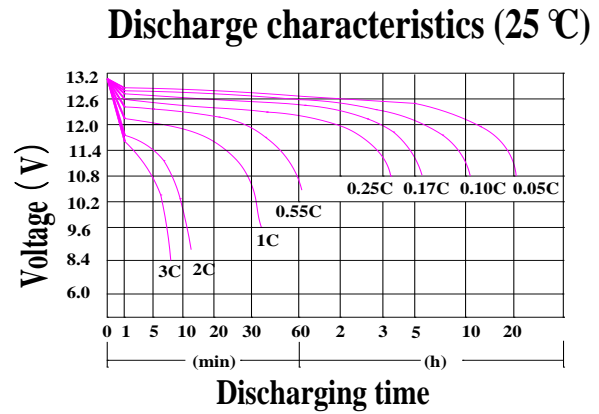
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-----|----|----|------|------|
| 1.60V | 1397 | 902 | 748 | 495 | 369 | 303 | 193 | 138 | 94 | 62 | 55.0 | 29.2 |
| 1.65V | 1372 | 886 | 734 | 486 | 362 | 297 | 189 | 135 | 92 | 60 | 54.0 | 28.6 |
| 1.70V | 1346 | 869 | 721 | 477 | 355 | 292 | 186 | 133 | 90 | 59 | 53.0 | 28.1 |
| 1.75V | 1321 | 853 | 707 | 468 | 348 | 286 | 182 | 130 | 88 | 58 | 52.0 | 27.6 |
| 1.80V | 1270 | 820 | 680 | 450 | 335 | 275 | 175 | 125 | 85 | 56 | 50.0 | 26.5 |

Discharge Constant Power (Watts at 77°F 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V | 2689 | 1736 | 1440 | 953 | 709 | 582 | 371 | 265 | 180 | 119 | 105.9 | 56.1 |
| 1.65V | 2640 | 1705 | 1414 | 936 | 696 | 572 | 364 | 260 | 177 | 116 | 104.0 | 55.1 |
| 1.70V | 2591 | 1673 | 1388 | 918 | 684 | 561 | 357 | 255 | 173 | 114 | 102.0 | 54.1 |
| 1.75V | 2543 | 1642 | 1361 | 901 | 671 | 551 | 350 | 250 | 170 | 112 | 100.1 | 53.1 |
| 1.80V | 2445 | 1579 | 1309 | 866 | 645 | 529 | 337 | 241 | 164 | 108 | 96.3 | 51.0 |

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 |