

Features

- ★ Long survives life: ultra particle composite silicate solution is neutral, not corrode plates inside the battery, survive life is up to 15years standby use.
- ★ It will not generate gas in use, the electrolyte is neutral, so it can reduce environmental pollution. The engine Room need no ventilation, explosion-proof, the floor need no acid proof pipeline need not to buried specially, thereby reducing the total cost of the enterprise investment.

Applications

- ★ Solar system and Wind system
- ★ Solar street light and solar garden light
- ★ Emergency lighting equipment
- ★ Fire alarm and security systems
- ★ Telecommunication equipment
- ★ Electric equipment and telemeter equipment

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 2V |
| Nominal Capacity (10 hour rate) | | 600Ah |
| Capacity 25°C(77°F) | 20 hour rate (31.8A) | 636Ah |
| | 5 hour rate (106.1A) | 530.5Ah |
| | 1 hour rate (330A) | 330Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤0.27mΩ |
| 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) | 75% |
| Self-Discharge 25°C(77°F) Capacity | after 3 month storage | 92% |
| | after 6 month storage | 84% |
| | after 12 month storage | 75% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 90A Voltage 2.23-2.27V |
| | Cycle | Initial Charging Current Less than 90A Voltage 2.33-2.37V |

| | | |
|-----------------------|-----------------|-----------------|
| Battery Dimensions | Length | 301mm |
| | Width | 175mm |
| | Height | 330mm |
| | Total Height | 368mm |
| Box Dimensions | Length | 316mm |
| | Width | 189mm |
| | Height | 425mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 38.2 kg±500g |
| Net weight Per Box | | 38.2kg |
| Gross Weight | | 39.2kg |

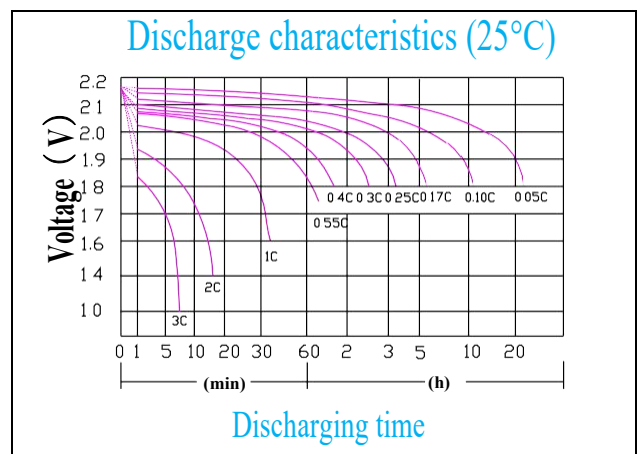
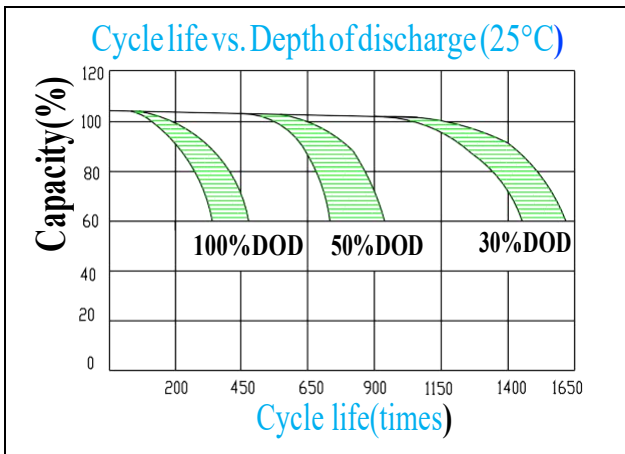
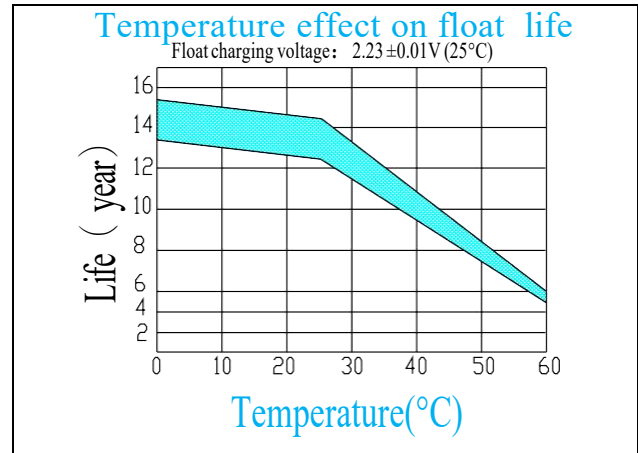
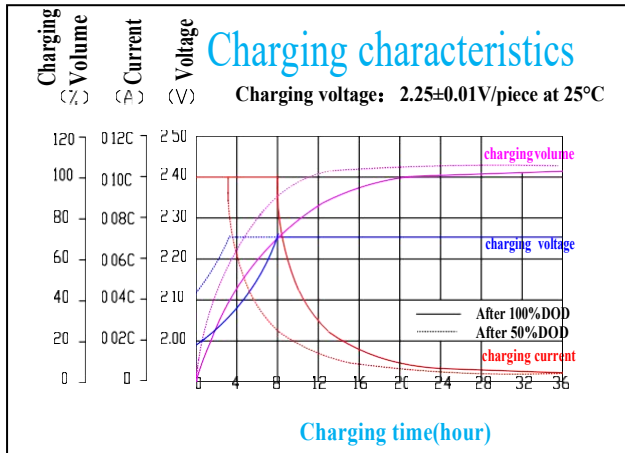
Discharge Constant Current (Amperes at 77°F25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|----|------|------|
| 1.60V | 1676 | 1082 | 898 | 594 | 442 | 363 | 231 | 165 | 112 | 74 | 66.0 | 35.0 |
| 1.65V | 1646 | 1063 | 881 | 583 | 434 | 356 | 227 | 162 | 110 | 73 | 64.8 | 34.3 |
| 1.70V | 1615 | 1043 | 865 | 572 | 426 | 350 | 223 | 159 | 108 | 71 | 63.6 | 33.7 |
| 1.75V | 1585 | 1023 | 849 | 562 | 418 | 343 | 218 | 156 | 106 | 70 | 62.4 | 33.1 |
| 1.80V | 1524 | 984 | 816 | 540 | 402 | 330 | 210 | 150 | 102 | 67 | 60.0 | 31.8 |

Discharge Constant Power (Watts at 77°F25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|------|
| 1.60V | 3227 | 2084 | 1728 | 1143 | 851 | 699 | 445 | 318 | 216 | 142 | 127.1 | 67.3 |
| 1.65V | 3168 | 2046 | 1696 | 1123 | 836 | 686 | 437 | 312 | 212 | 140 | 124.7 | 66.1 |
| 1.70V | 3110 | 2008 | 1665 | 1102 | 820 | 673 | 429 | 306 | 208 | 137 | 122.4 | 64.9 |
| 1.75V | 3051 | 1970 | 1634 | 1081 | 805 | 661 | 420 | 300 | 204 | 135 | 120.1 | 63.7 |
| 1.80V | 2934 | 1894 | 1571 | 1040 | 774 | 635 | 404 | 289 | 196 | 129 | 115.5 | 61.2 |

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 |

