



Characteristics

- ★ Extended Operating Temperature Range: Greensaver batteries are able to operate under the harshest environments from -40°C-+60°C temperatures
- ★ Maintains High Capacity Under Low Temperatures: Greensaver Batteries are able to hold 80-85% of their total capacity under-10°C temperatures.
- ★ High Charge Acceptance Ability: With low internal resistance, Greensaver batteries have high charge efficiency and have fast charging ability.
- ★ Long Battery Life: Without electrolyte stratification using patented electrolyte, Greensaver batteries have cycle life more than 1200 cycles.

Applications

- ★ Golf cart, wheelchairs, Sweepers, Marine systems;
- ★ Electric car, Electric bike.
- ★ Solar energy and wind energy systems;
- ★ Power station system;

| | | |
|---|---------------------------|--|
| Nominal Voltage | | 12V |
| Nominal Capacity (20 hour rate) | | 200Ah |
| Capacity 25°C (77°F) | 10 hour rate (18.0A) | 180Ah |
| | 5 hour rate (31.8A) | 159Ah |
| | 1 hour rate (110.9A) | 110.9Ah |
| Internal Resistance | Full Charged Battery 25°C | ≤3.0m Ω |
| 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) | 80% |
| Self-Discharge 25°C (77°F) Capacity | after 3 month storage | 95% |
| | after 6 month storage | 85% |
| | after 12 month storage | 80% |
| Charge (Constant Voltage) 25°C (77°F) | Float | Initial Charging Current Less than 40A Voltage 13.6-13.8V |
| | Cycle | Initial Charging Current Less than 40A Voltage 14.4-14.9V |

| | | |
|-----------------------|-----------------|--------------|
| Battery Dimensions | Length | 532mm |
| | Width | 206mm |
| | Height | 216mm |
| | Total Height | 221mm |
| Box Dimensions | Length | 537mm |
| | Width | 221mm |
| | Height | 296mm |
| Quantity Per Box | | 1 PC per box |
| Net weight Per Cell | | 59.0 kg±300g |
| Net weight Per Box | | 59.0kg |
| Gross Weight | | 59.6kg |

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

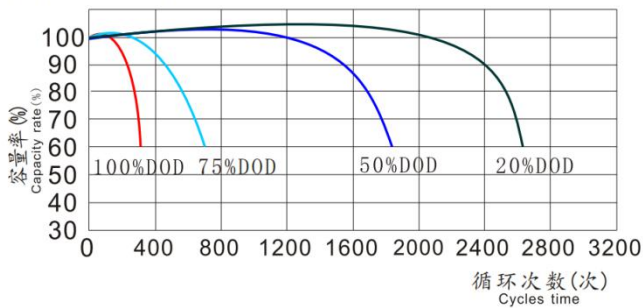
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1.60V | 475.2 | 302.9 | 257.4 | 164.3 | 120.8 | 110.9 | 70.5 | 49.5 | 33.7 | 22.2 | 19.8 | 11 |
| 1.65V | 466.6 | 297.4 | 252.7 | 161.4 | 118.6 | 108.9 | 69.2 | 48.6 | 33.0 | 21.8 | 19.4 | 10.8 |
| 1.70V | 457.9 | 291.9 | 248.0 | 158.4 | 116.4 | 106.8 | 67.9 | 47.7 | 32.4 | 21.4 | 19.1 | 10.6 |
| 1.75V | 449.3 | 286.4 | 243.4 | 155.4 | 114.2 | 104.8 | 66.6 | 46.8 | 31.8 | 21.0 | 18.7 | 10.4 |
| 1.80V | 432.0 | 275.4 | 234.0 | 149.4 | 109.8 | 100.8 | 64.1 | 45.0 | 30.6 | 20.2 | 18.0 | 10.00 |

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

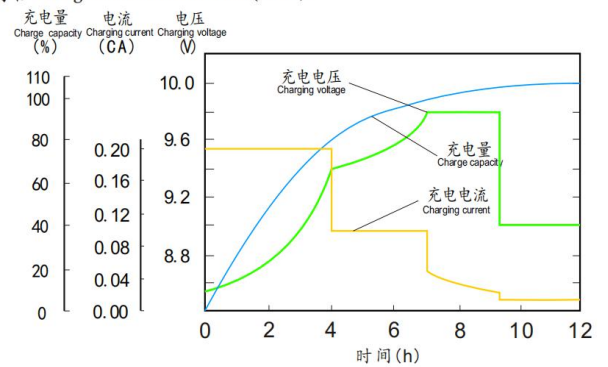
| F.V/Time | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 914.8 | 583.2 | 495.5 | 316.4 | 232.5 | 213.4 | 135.7 | 95.3 | 64.8 | 42.7 | 38.1 | 21.2 |
| 1.65V | 898.1 | 572.6 | 486.5 | 310.6 | 228.3 | 209.6 | 133.2 | 93.6 | 63.6 | 41.9 | 37.4 | 20.8 |
| 1.70V | 881.5 | 562.0 | 477.5 | 304.9 | 224.0 | 205.7 | 130.8 | 91.8 | 62.4 | 41.1 | 36.7 | 20.4 |
| 1.75V | 864.9 | 551.4 | 468.5 | 299.1 | 219.8 | 201.8 | 128.3 | 90.1 | 61.3 | 40.4 | 36.0 | 20.0 |
| 1.80V | 831.6 | 530.1 | 450.5 | 287.6 | 211.4 | 194.0 | 123.4 | 86.6 | 58.9 | 38.8 | 34.7 | 19.2 |

Performance Characteristic

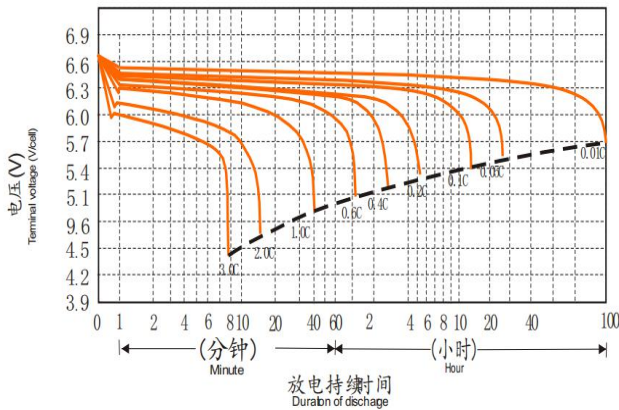
放电深度与循环寿命的关系 (25°C)
Cycle life curves (25°C)



充电特性 Charge characteristics 77°F(25°C)



放电特性 Discharge characteristics 77 F(25°C)



不同温度下的放电容量

Temperature and discharge capacity

