



SP-48V200-GC LITHIUM (LIFEPO4) GOLF CART BATTERY

| General | | |
|-------------------|---|--------------|
| Model: | SP-48V200-GC | |
| Voltage: | 51.2V | |
| Nominal Capacity: | 200Ah | |
| Case: | Metal/FR | |
| Battery: | Deep-cycle Lithium Iron Phosphate | |
| Color: | Black | |
| Cycle life: | 1C @ DOD 100% | ≥3500 CYCLES |
| | 0.2C @ DOD 100% | ≥6000 CYCLES |
| Intelligence: | Microprocessors, SOC algorithm with charge and discharge end Calibration, Current sensor, Fuse, CAN Bus | |

| Physical | |
|--------------------------|------------------------|
| Battery Type: | Lithium Iron Phosphate |
| Rated Capacity: | 200Ah |
| Nominal Voltage: | 51.2V (16S) |
| Standard Charge Voltage: | 58.4V |
| Stored Energy: | (10240Wh) |
| IP Protection Level: | IP67 |
| Battery Weight: | 194 LBS (88 KG) |
| Battery Life: | 10-12 Years |
| BMS: | 250A |
| Communications | CAN / Bluetooth |
| Charger: | 15-50A (Optional) |
| Impedence: | ≤30mΩ |

| Current | |
|-----------------------------------|---|
| Battery Pack Factory SOC: | 50% |
| Battery SOC Operating Range: | 0-100% |
| BMS Consumption: | Self-consumption current in sleep mode: <800uA Self-consumption current during operation: <35mA |
| Temperature Acquisition Accuracy: | ≤2° (at room temperature) |
| Current Acquisition Accuracy: | ≤±15mV |
| Equalizing Current: | 30±10mA (Passive equalization) |
| Protect Function: | Over-current protection, over-charge protection, over-discharge protection, high and low-temperature protection, and abnormal alarm function. |

| Charge / Discharge | |
|------------------------------------|-------------------------|
| Charging method: | CC-CV |
| Charge Current: | Normal 30A and Max 100A |
| Cut-off voltage: | 40V |
| MAX. Continuous Discharge Current: | 250A (BMS) |
| Peak Discharge Current: | 600A @3S |
| Self-discharge rate/month: | ≤3%/Month |

| Temperature | | |
|---|-------------|----------|
| Operating temperature Range A column temperature: | | |
| Charge method | Charge | 0~55°C |
| | Discharge | -20~60°C |
| Storage environment | Temperature | 10~45°C |
| | Humidity | ≤ 75%RH |

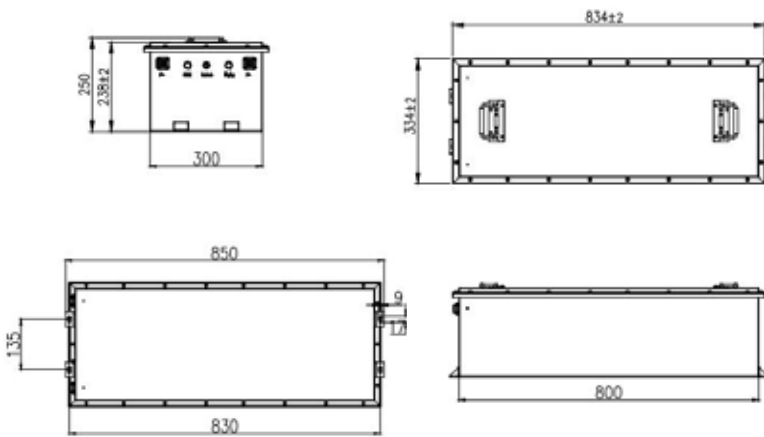


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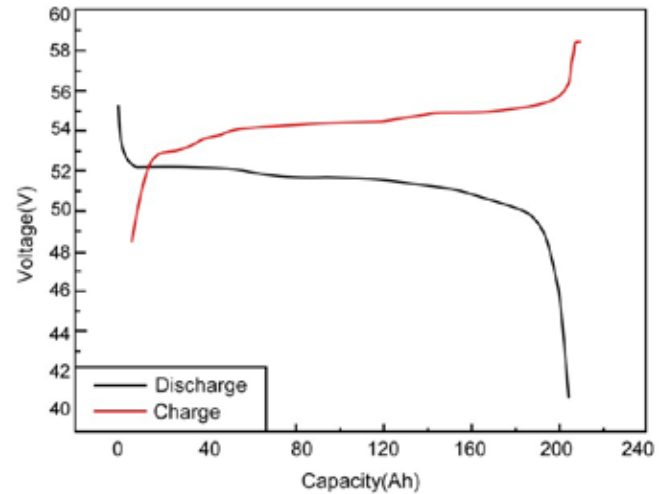


Dimensional

Battery Dimensions: (L x W x H) 33.46" x 13.15" x 9.48"
(850 x 334 x 250mm)



Voltage Curve:



Sonny Power Golf Cart LiFePO4 Battery Advantages:

1 TOP BRAND Grade A Cell, Encased in Aluminum:

- Provides dimensional stability.
- Up to 10 years of design life and over 3,500 cycles.

2 Steel Battery Bracket:

- Provides vibration and shock resistance.

3 Bolted Connections to BMS:

- Provides stable mechanical and electrical connections.

4 Positive and Negative Bus Bar:

- Soft connection copper bar.
- Stronger connection to ensure safer and more stable battery overcurrent.

5 IP67 Rated Casing:

- Seamless enclosure, no water or dust ingress.

6 250A Big Current (BMS):

- Strong capability for climbing and acceleration.

7 Strong Compatibility:

- It can be used for E-Z-GO, Yamaha, Club Car, and other popular golf cart brands.

8 High Insulation Performance:

- It contains insulation tube sleeves for cables and an epoxy board for the battery module to ensure the safety of the battery.

9 Bluetooth Function:

- 5.0 Bluetooth ensures longer distance monitoring.