

48V 160Ah

Golf Cart / Sightseeing Car Lithium-ion Battery S51160



Redway Power OEM / ODM Golf Cart, Sightseeing Car Lithium-ion Batteries

Our Factories specializes in providing a diverse selection of battery sizes and configurations to cater to a wide range of applications for the 2-seat, 4 Seat, 6-seat, 8-seat, 10-seat, 12-seat, 14-seat Golf Carts, Sightseeing Car, Electric Rickshaw, Electric Scooter, etc. Whether you need standard battery options or have unique power requirements, our team of experienced engineers is here to assist you throughout the entire process of designing, developing, testing, and manufacturing custom battery solutions tailored to your specific needs. Feel free to reach out to us today to learn more about our comprehensive range of battery solutions and how we can create a customized solution for you.



High-Rate Cells

High peak discharge rate.



Long Lifespan

Excels in longevity, offering reliable power.



High Safety

Advanced Smart BMS Protection.



Maintenance-free

No maintenance required, No need to replace the battery for several years.



EV Grade-A Cells

Deep Cycles and Low Self Discharge Rate



Original Factory Price

Redway Own Factories, Low Price.

General Specifications

| | |
|-----------------------------|---|
| Battery Cell Type | LiFePO4 |
| Nominal Voltage | 51.2V |
| Nominal Capacity | 160Ah |
| Nominal Energy | 8.19kWh |
| Standard Charge Current | 22A (7.5 Hours) |
| Max. Charge Current | 100A (Continuous) |
| Max. Discharge Current | 100A (Continuous) |
| Max. Peak Discharge Current | 200A (10S) |
| Charge Voltage | 58.4V |
| Discharge Cut-off Voltage | 40V |
| IP Rating | IP67 |
| Internal Series / Parallels | 16S2P |
| Stroke Per Full Charge | 97~113 km (60~70 miles) |
| Cycle Life | >6000 cycles (DOD 80% @25°C) |
| Charge Temperature | 0°C ~ 60°C |
| Discharge Temperature | -20°C ~ 60°C |
| Self Discharge Rate | 2% Per month |
| Battery Shell | Metal |
| Battery Shell Colors | Black, Gray, White, Yellow, Blue, Red, etc. |
| Silk Screen / Label | Customizable |
| User Manual | Customizable |
| Design Life | 10 Years |
| Warranty | 3 Years |
| BMS Protection | Advanced Smart BMS Monitoring SOC, system voltage, current, cell voltage, cell temperature, PCBA temperature measurement, over-charge, overdischarge, overcurrent, overvoltage, low-voltage, over-temperature, shortcircuit, anti-theft, etc. |
| Optional Upgrades | Bluetooth, APP, Wi-Fi, 4G, 5G, GPS, Galileo, RS485, RS232, CAN-bus, LCD Screen, Active Balance, Anti-theft, LED indicator light, TACP, SNMP, Fan, Heatsink, Built-in Solar MPPT, Thermal aerosol fire suppression device, Self-heating, etc. |

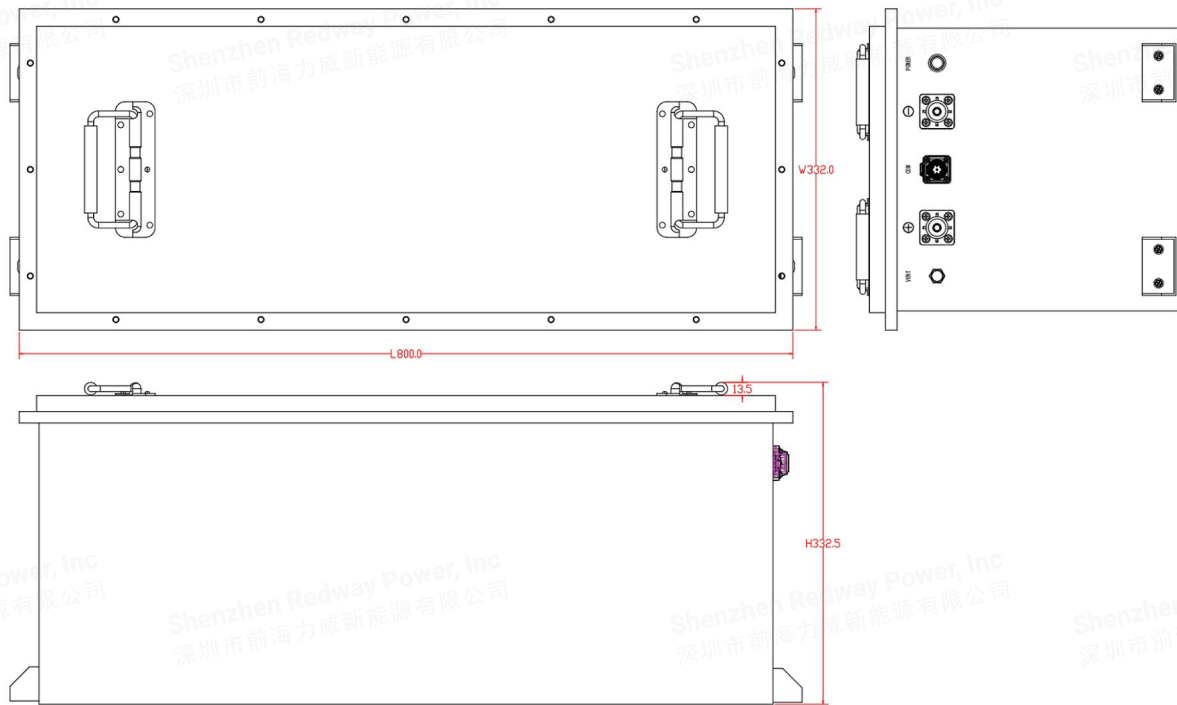
Mechanical Specifications

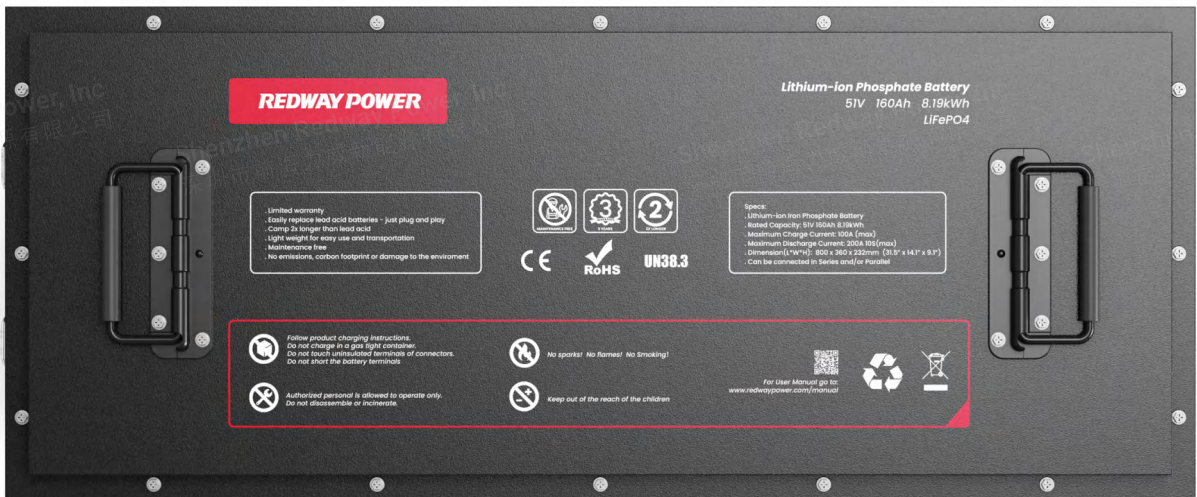
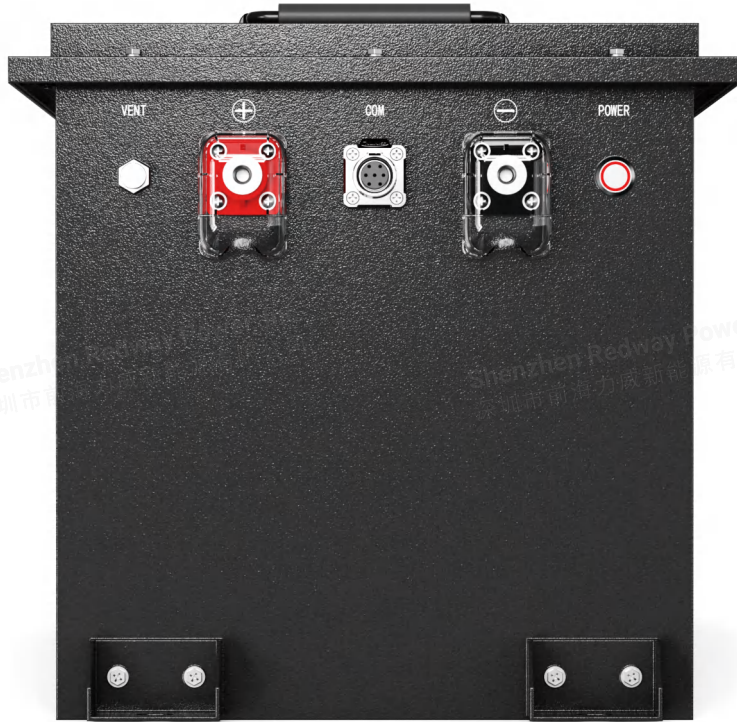
Dimensions [L*W*H] 800*332*332 mm

Weight 72 kg (158.7 lbs)

Note:

* Dimensions and weight differ slightly for each batch. Contact Redway for additional information.







REDWAY POWER
Lithium-Ion Phosphate Battery
48V 105Ah 6.28kWh
LiFePO4

REDWAY POWER
Lithium-Ion Phosphate Battery
72V 105Ah 8.28kWh
LiFePO4

REDWAY POWER
Lithium-Ion Phosphate Battery
51.2V 105Ah 5.37kWh
LiFePO4

REDWAY POWER
Lithium-Ion Phosphate Battery
51.2V 56Ah 2.68kWh
LiFePO4

REDWAY POWER
Lithium-Ion Phosphate Battery
38.4V 80Ah 3.07kWh
LiFePO4

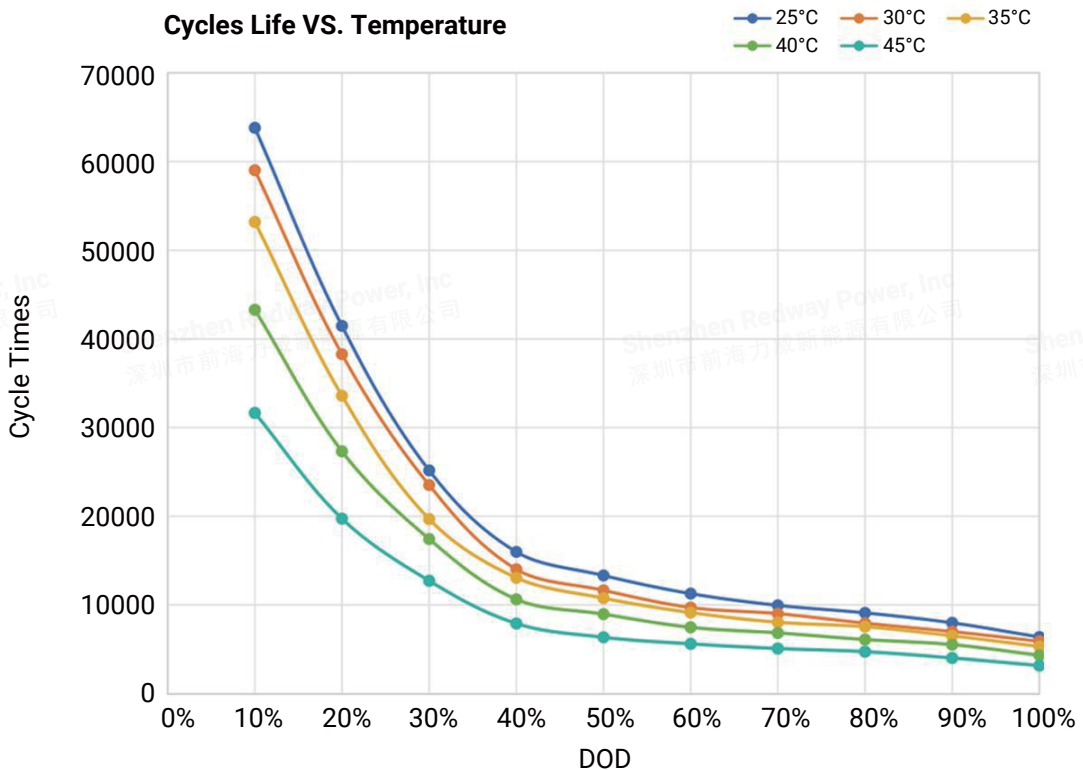
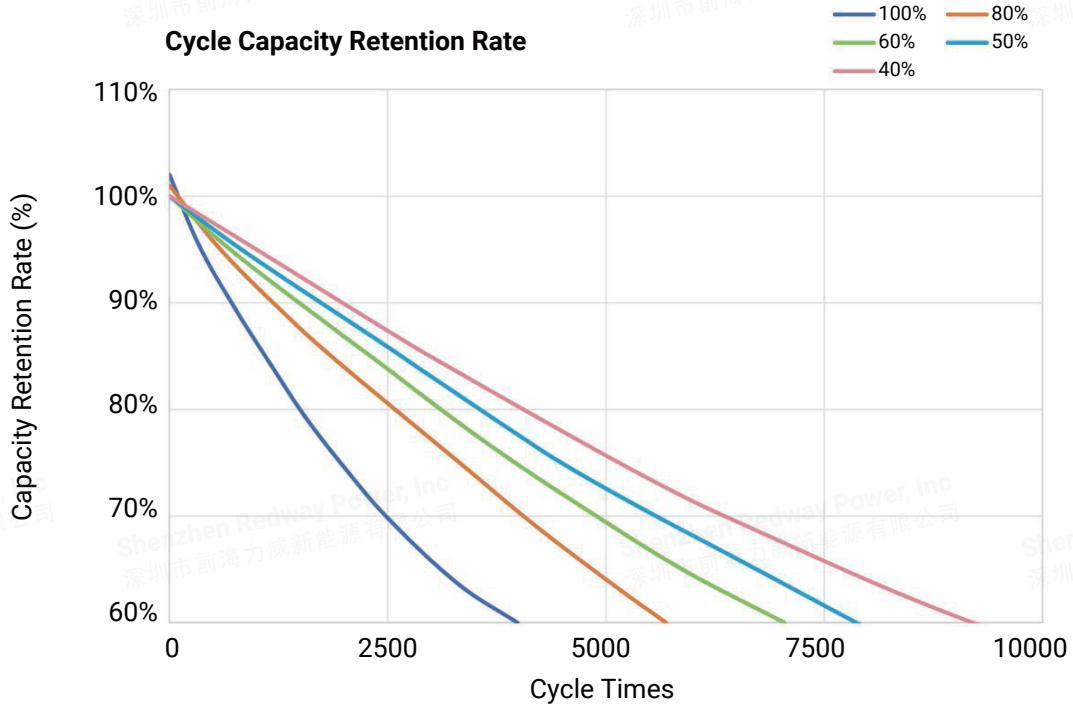
REDWAY

Cycle Life Testing Report

The data source is based on reliable laboratory measured data for computational deduction.

Battery Test Environment and Conditions

| | |
|-------------------------|------|
| Temperature | 25°C |
| Charge & Discharge Rate | 0.5C |
| EOL | 60% |
| DOD | X% |



Bluetooth APP Demo

Our APP can be operated by both Android and IOS. It establish a Bluetooth connection between your smart phone and the battery, usages includes below: managing the battery pack, gathering the data and displaying them, conducting modifications on settings. Bluetooth APP can achieve below functions:

1. Friendly APP interface, customizable interface UI.
2. Display the basic data of battery pack.
3. Modifying the communication between BMS and inverter.
4. Setting Alert Parameters and Switch On/Off.
5. Supports Android and iOS mobile operating systems.
6. Capable of real-time viewing and recording of battery status information.
7. Readable and writable real-time parameters of the BMS system.
8. Bluetooth module upgrades can be implemented through the APP.
9. Software upgrades for the BMS module.
10. Capable of networking and operating Bluetooth.
11. Wi-Fi configuration via Bluetooth.
12. Support Single and Parallel operation.
13. Shift between Chinese and English.



Note:

* This is just a demonstration interface, the standards for voltage and capacity vary among different batteries.