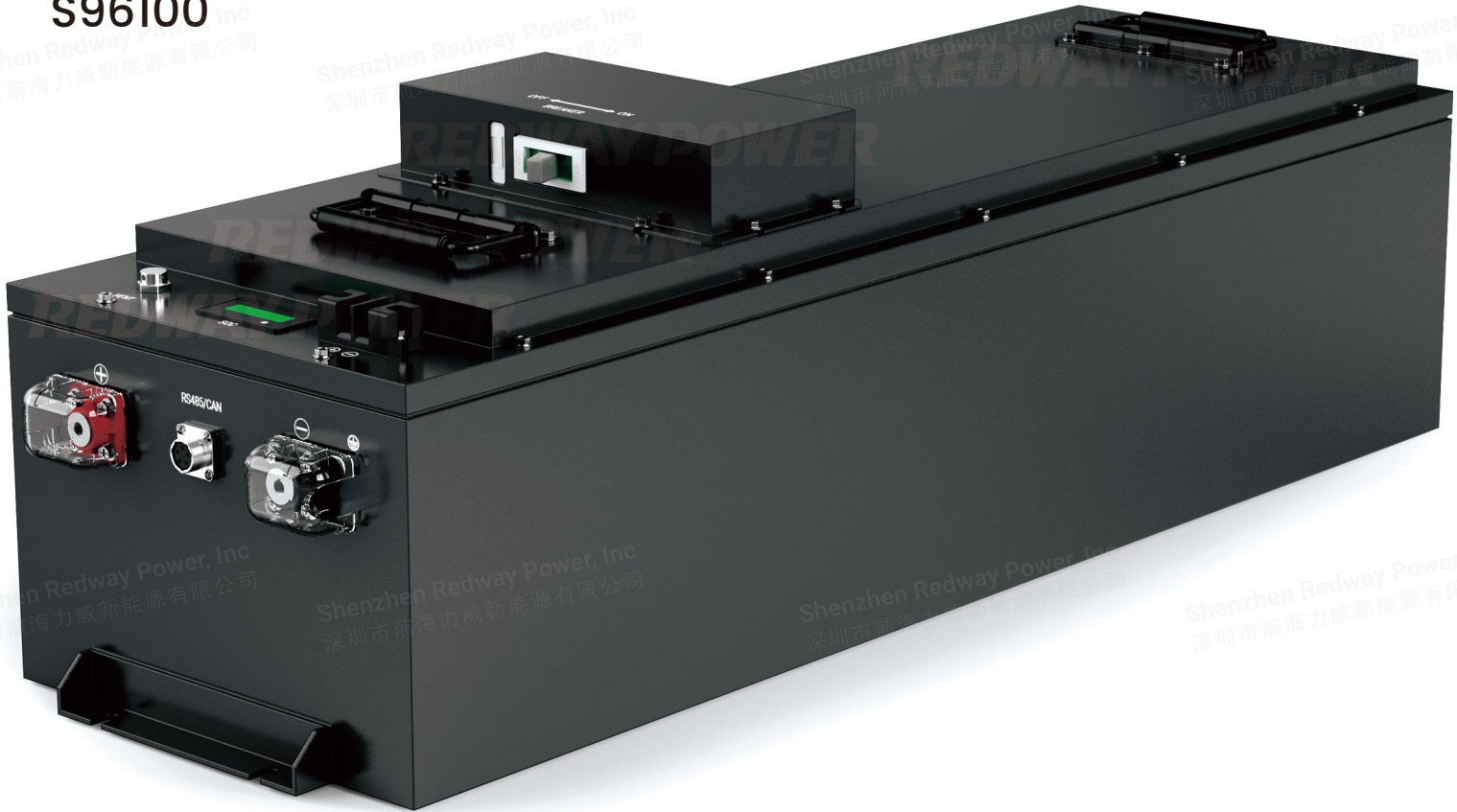


96V 100Ah

Sightseeing Car / Golf Cart Lithium-ion Battery
S96100



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	96V
Nominal Capacity	100Ah
Nominal Energy	9.6kWh
Standard Charge Current	50A (Continuous)
Max. Charge Current	100A (Continuous)
Standard Discharge Current	100A (Continuous)
Max. Discharge Current	250A (Continuous)
Max. Peak Discharge Current	300A (10S)
Charge Voltage	109.5V
Discharge Cut-off Voltage	75V
IP Rating	IP65
Internal Series / Parallels	30S11P
Communication	RS485, CAN-bus
Terminal	M8, M5(30A)
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 (Black, Gray, White, etc.)
Silk Screen / Label	Customizable
User Manual	Customizable
Design Life	10 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	RS232, 4G, 5G, GPS, Galileo, Active balance, Anti-theft, LED indicator light, TACP, SNMP, Fan, Heatsink, Built-in solar MPPT, Thermal aerosol fire suppression device, etc.
LCD Screen	Yes (Display voltage, electricity, etc.)
Self-heating	Yes (The self-heating function automatically starts when the internal temperature of the lithium-ion battery reaches 5°C)
Circuit Breaker	Yes
Bluetooth / APP	Yes (Android and iOS)

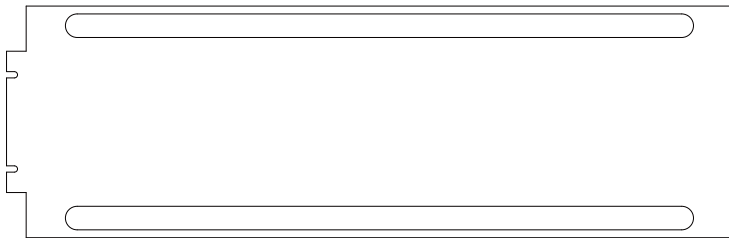
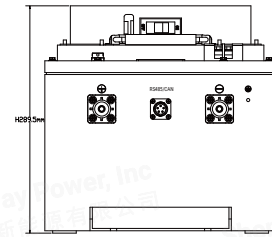
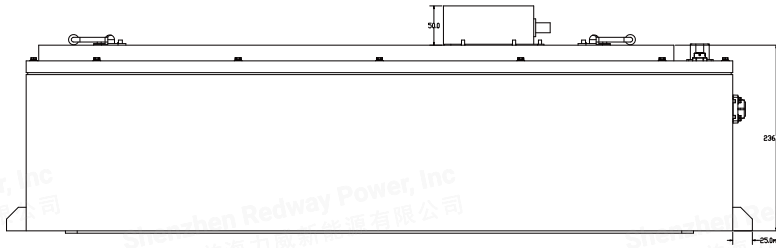
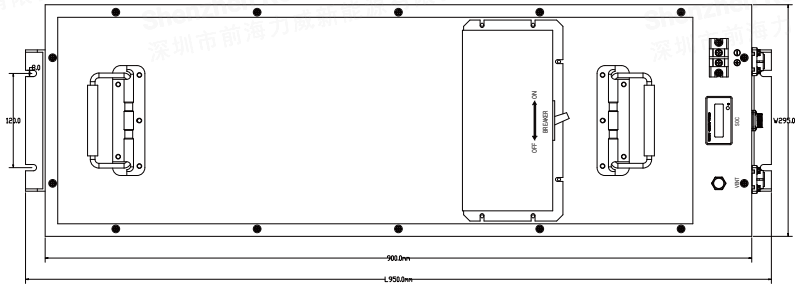
Mechanical Specifications

Dimensions [L*W*H] 950*295*289.5 mm

Weight ~90 kg (198.4 lbs)

Note:

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



REDWAY

OEM / ODM LITHIUM BATTERY



REDWAY

OEM / ODM LITHIUM BATTERY





VENT

Shenzhen Redway Power, Inc
深圳市前海力威新能源有限公司

Shenzhen Redway Power, Inc
深圳市前海力威新能源有限公司

Shenzhen Redway Power, Inc
深圳市前海力威新能源有限公司



BREAKER
ON ← → OFF

REDWAY POWER LifePO4 Lithium Battery
磷酸铁锂电池

Nominal Voltage 标称电压	96V
Nominal Capacity 标称容量	100Ah
Stored Energy 存储能量	9.6kWh
Max. Charge Voltage 最大充电电压	109.5V
Discharge Cut-Off Voltage 放电截止电压	75V
Max. Charge Current 最大充电电流	100A
Max. Discharge Current 最大放电电流	250A(300A/10S)
Dimensions (L*D*H) 尺寸(长*宽*高)	900*295*290mm
Charge Temperature 充电温度	0°C - 60°C
Discharge Temperature 放电温度	-20°C - 65°C

S/N 96V100Ah 20240415 0002

MADE IN CHINA

Shenzhen Redway Power, Inc
www.redwaypower.com
info@redwaypower.com

CAUTION

- Do not connect battery with AC power directly.
不要直接用电线连接电源插座。
- Do not connect battery with PV wiring directly.
不要直接用电线连接太阳能电池板。
- Do not connect batteries in parallel and series.
不要将电池并联或串联。
- Do not connect battery to faulty or unqualified inverter or charger, please only use a matching charger!
不要将电池连接到故障或不合格的逆变器或充电器，请使用匹配的充电器。
- Do not short circuit the external connection.
请勿短路外部接线。
- Do not place battery under direct sunlight.
不要将电池置于直射阳光下。
- Do not place battery at a children or pet reachable area.
不要将电池放在儿童或宠物可触及的区域。

MADE IN CHINA

Shenzhen Redway Power, Inc
www.redwaypower.com
info@redwaypower.com

WARNING

- Recharge battery in every six months.
每六个月充一次电。
- Recharge battery within 15 days after battery is fully discharged.
电池完全放电后应在15天内充电。
- Make sure the wiring cable connect correctly before operation.
操作前，请确保接线连接正确。
- Power off battery and disconnect power connections before maintenance.
维护前，请关闭电池电源并断开电源连接。
- Do not heat the battery or put it close fire.
不要加热电池或将其靠近明火。
- Please do not short circuit positive and negative plates by metal material.
请勿用金属物品短路正负极板。

国内安装 国内安装

MADE IN CHINA

Shenzhen Redway Power, Inc
www.redwaypower.com
info@redwaypower.com

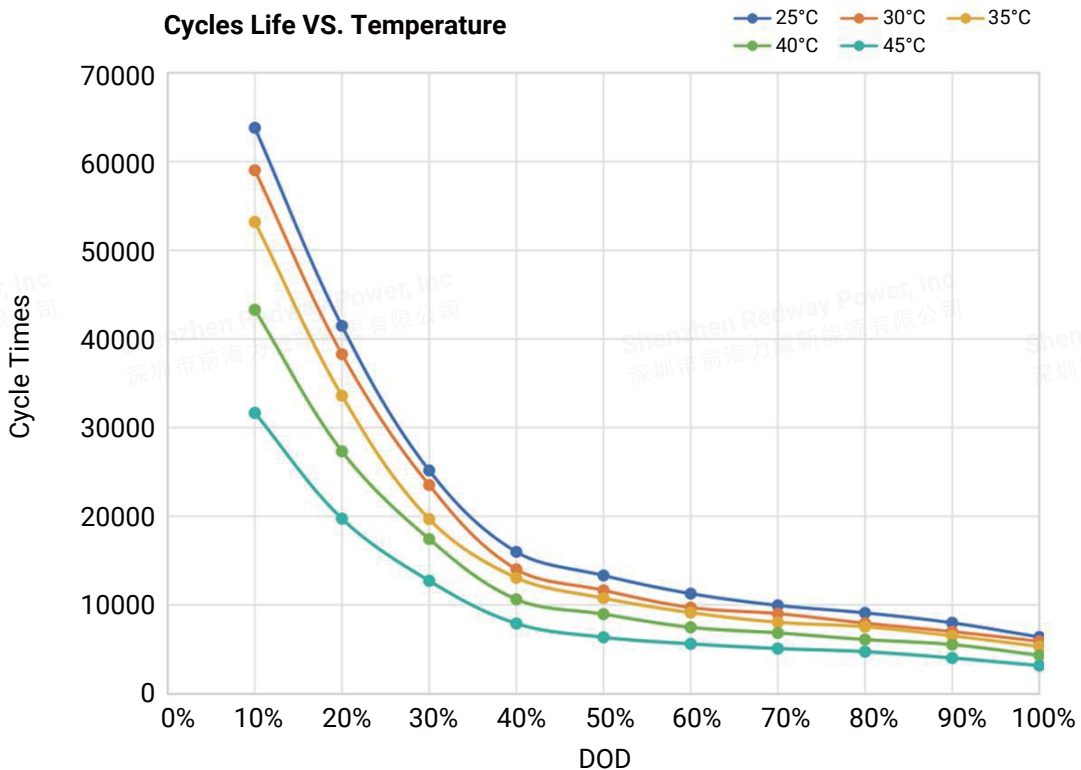
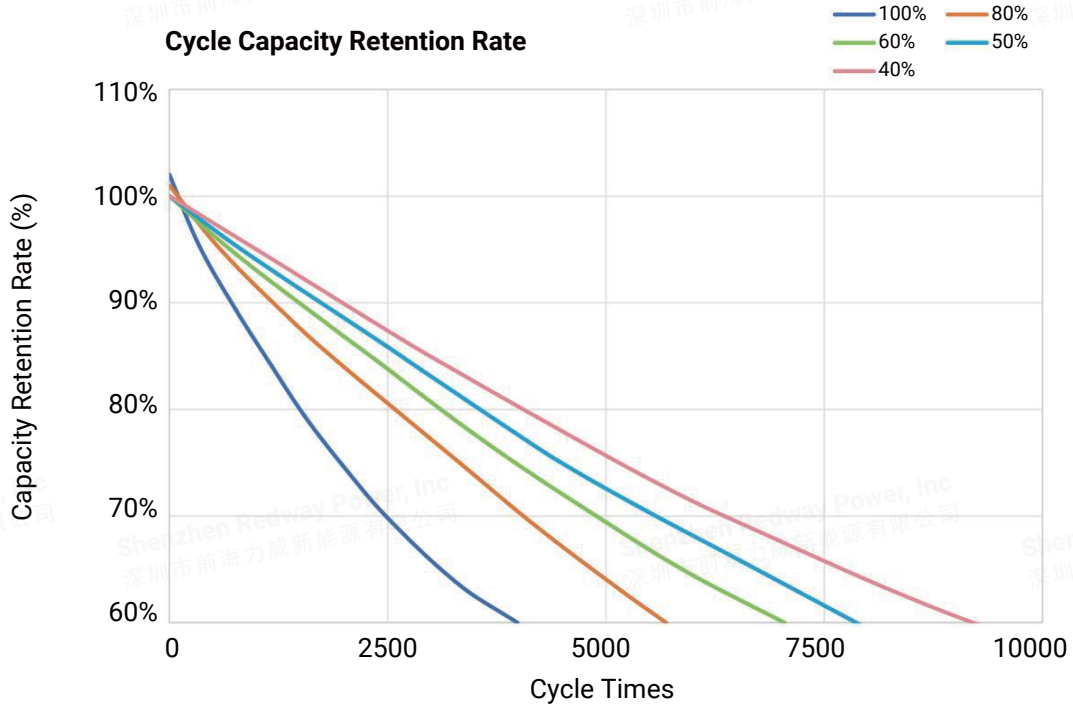
DL-401803015F4B

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.