



Shenzhen Redway Power, Inc
Tower B, Yicheng Huanzhi Center, Longhua, Shenzhen
China Tel: +86 (755) 28010506
U.S. Tel: +1 (650) 6819800
E-mail: info@redwaypower.com
www.redwaypower.com



Redway Battery Group (HK) Limited
Hong Kong Rayworld Industrial Co., Ltd
Flat/Rm 7022 Blk D 7/F Tak Wing Industry Bldg, 3 Tsun Wen Road Tuen Mun Nt, Hong Kong



R&D Center
Building 5, No.105 Qingbin East Road, Qingxi Town, Dongguan



Production Plant
Dongguan Redway Power Co., Ltd
Building 2, 78 Puxing East Road, Qingxi Town, Dongguan



Production Plant
Huizhou Redway Power Co., Ltd
Building 5, No.105 Qingbin East Road, Qingxi Town, Dongguan



Production Plant
Huizhou Ruineng Technology Co., Ltd
South side of Science and Technology South Road, Shiwan Town, Boluo County, Huizhou



Production Plant
Zigong Joinsun Technology Co., Ltd
No.6-45, Xinyuan Road, Yantan District, Zigong, Sichuan



Production Plant
Dongguan Redway Power, Inc
Dongguan Techoss Electronic Technology Company Limited
No.8, Juntianpu Road, Shima, Tangxia Town, Dongguan

REDWAY BATTERY GROUP

Your Reliable OEM/ODM Battery Manufacturer for
Lithium Battery Pack & Energy Storage System



We reserve the right to make technical changes and updates at any time. The values, services and other information, illustrations or drawings contained in this data sheet, brochures and other provided documents are only examples and are subject to ongoing revision and adaptation. Insofar as the information has not been expressly designated by us as binding, this information does not constitute an assurance. The information in the binding order acceptance or the purchase contract shall apply.

The text and images correspond to the current state of technology at the time of printing. Subject to modifications. All information is without guarantee in spite of careful editing - liability excluded.

LITHIUM BATTERIES PACK EXPERT



Redway Power is a leading lithium battery manufacturing factory, backed by top-notch R&D and focused on providing fit-for-purpose solutions to the world. As an OEM/ODM company, we adhere to our clients custom battery requirements and lead the industry as a premium battery manufacturer and supplier. Redway offers unparalleled development and rapid prototyping services, enabling clients to quickly bring new products to market.

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



12
 Years (Since 2012)



5GWh
 Production Capacity / Year



100+
 Countries & Regions



200,000+
 Served Families

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



40+
 R&D Engineers

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



500+
 Technicians

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



4
 Production Base



100,000 ft²
 Production Base Area

Committed to Providing Cost-Effective Products and Perfect Solutions to Users around the World.

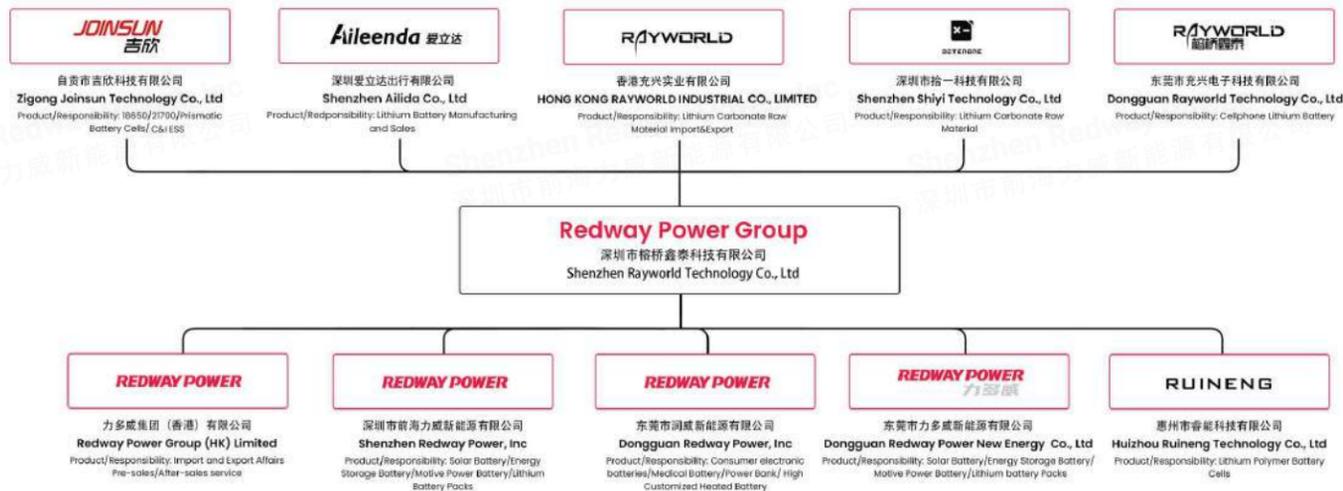
GLOBAL PRESENCE



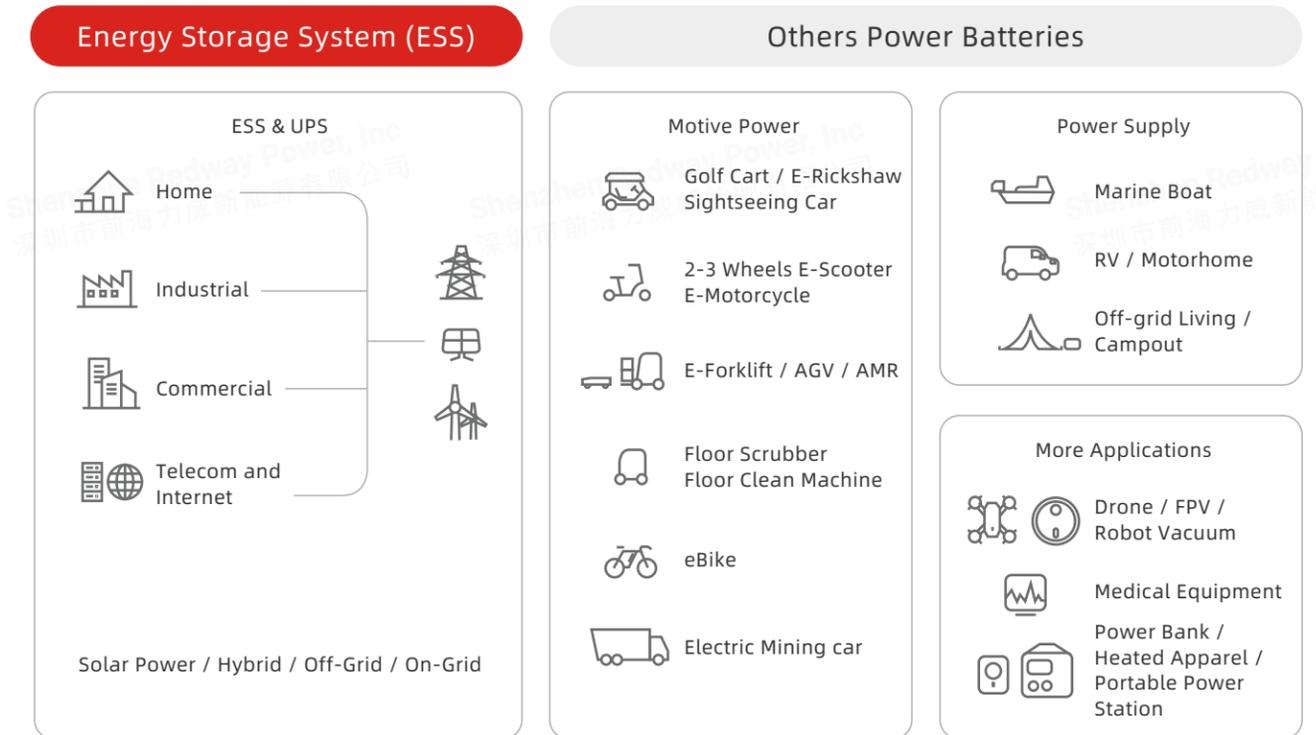
OUR EXPERTISE



REDWAY POWER GROUP STRUCTURE



MAJOR APPLICATIONS



GROUP CERTIFICATIONS



SGS



SAFETY CERTIFICATES



ISO 9001:2015



Environmental Management Certification



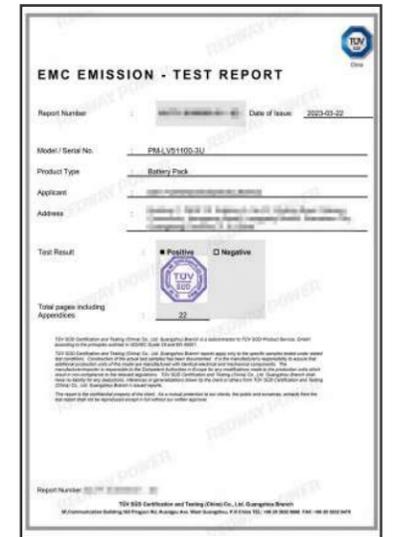
Environmental Certification



CE



UL1973



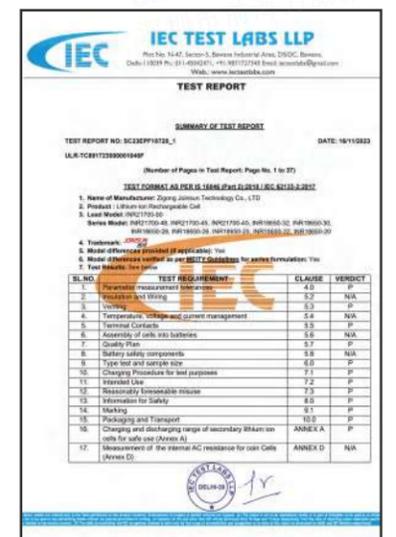
EMC



FCC



CHINA CCC



INDIA BIS

WHY REDWAY

1. Safety First

ONLY

IEC62619-Certified Battery Cells

Our energy storage batteries are built with strict selection criteria, utilizing only IEC62619-certified battery cells for enhanced consistency, reliability, and stability.

Electrical Abuse Protection

Lithium-ion Battery

Cooling

Thermal Runaway Protection

Safety Standards

Thermal Shock Protection

Heat/Gases Generation Protection

Mechanical Abuse Protection

The Safest Chemistry LiFePO4 Battery

We use only LiFePO4 batteries to ensure our customers benefit from premium electrical characteristics while maintaining the highest safety standards.

The Most Robust Lithium Battery Case

To ensure long mechanical lifespans and safety, we never use unreliable lithium battery case materials, because the unreliable case materials is harmful to the personal safety of users.

Global TIER 1 Cell Manufacturer

2. Strict Quality Management

Redway finished products undergo a comprehensive series of safety tests before they are released from the factory. These tests ensure that our products meet the highest safety standards prior to delivery.

Overcharge Test

Performing overcharge test to evaluate the ability of a rechargeable battery to withstand an overcharge condition.

Forced Discharge Test

Evaluating the ability of a rechargeable cell to withstand a forced discharge condition.

Short Circuit Test

Be tested for short circuit conditions to check for any dis-assembly, rupture or fire hazard.

Thermal Test

Assessing cell and battery seal integrity and internal electrical connections.

Altitude Test

Simulating air transport under low-pressure conditions.

Shock Test

Assessing the robustness of cells and batteries against cumulative shocks.

Vibration Test

Simulating vibration during transport.

Impact/Crush Test

Simulating mechanical abuse from an impact or crush that may result in an internal short circuit.

ADVANCED MANUFACTURING

3. Advanced Manufacturing

Over 10+ Years of Research and Development, Production, Custom Lithium Battery.



UNPARALLELED EXPERTISE

When you become a Redway Power client, know that you have a talented team of experts behind you. Our team has been in the industry for 10+ years with over 50 engineers. We only invest in people with the industry experience which is why we can say our technical know-how is truly unmatched.



RAPID PROTOTYPING AND MASS PRODUCTION

We offer rapid prototyping of battery packs including Testing, Evaluation and Troubleshooting as early as a week into the order. Being an OEM battery company, Redway Power can manufacture custom battery solutions for high backup and high power ratings with Private Label (PL) options.



PRODUCT INNOVATION

Today, the industry demands innovation that delivers unmatched power, performance, and life. Redway Power lithium batteries accomplish this and surpass existing batteries in the market due to our focus on product development. We have one of the largest lithium product offerings available with 12V, 24V, 48V, 51.2V, 60V, 72V, 76V, 80V to 600V batteries that power a range of applications.



TECHNOLOGY-ORIENTED FACTORY

Our engineering team works hand-in-hand with our own manufacturing facilities to ensure quality products that perform. Not only we are committed and able to deliver the best products, but we are proud to say our factory is ISO 9001:2015 certified. We offer full OEM services.



PERFORMANCE WITH PEACE OF MIND

Not only Redway Power lithium batteries work hard, they're an inherently safe chemistry and engineered with exclusive safety measures, including a state-of-the-art battery management system (BMS) that protects against over-charge, over-discharge, over temperature and short circuit conditions. At Redway Power safety comes standard, so you never have to worry.



TECHNICAL SUPPORT TEAM

We are a full OEM service company with a team of customer service representatives and engineers offer 24/7 services, giving you quick and easy access when you need help. We understand the difficulties that our clients may encounter. So, we offer after sales services to our clients regarding installation, debugging and trouble shooting etc.



CAPABILITIES

- . Custom Manufacturing Capability
- . Ultrasonic Welding
- . Resistance Welding
- . Capacitance Discharge Welding
- . Custom Cable Assemblies
- . Small/Large Volume Capability
- . Prototyping Capability
- . Circuit Board Design (Battery Related)
- . Contract Manufacturing (Battery Related Devices)
- . In-House Design Capabilities (CAD)



ADVANTAGES

- . Assembly Solutions
- . Molded Plastic Cases
- . Custom BMS
- . ISO9001:2015 Certified
- . Computerized Milling Machines
- . In-House Engineering
- . Reverse Engineering
- . DFM Review
- . Solutions Oriented Sales Staff
- . Technical Advice and Follow-Up Post Initial Order from Engineering, R&D and Sales to Ensure Quality and Performance



Golf Cart Battery Series



1.9kWh

36V 50Ah



5.1kWh

48V 100Ah



10.2kWh

48V 200Ah



7.2kWh

72V 100Ah



9.6kWh

96V 100Ah (for 12 Seats Sightseeing Car)

Golf Cart Lithium Batteries

Golf Cart, Sightseeing car, Club Car, EZGO, E-Scooter, E-Rickshaw, E-Trishaw, etc.

36, 48V, 72V, 96V

Contact our sales team for more options or custom solutions.

- . 36V 50Ah . 48V 160Ah
- . 36V 80Ah . 48V 200Ah
- . 36V 100Ah . 72V 100Ah
- . 48V 50Ah . 72V 160Ah
- . 48V 100Ah . 72V 180Ah
- . 48V 120Ah . 72V 200Ah
- . 48V 150Ah . 96V 100Ah



Suitable for Various Golf Carts and Sightseeing Cars



>98% Discharge Rate, Greater Power



Longer Lifespan than Lead-acid Batteries



High Waterproof



High Safety BMS Protection



Maintenance-free & Easy Installation

36V 50Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	38.4V	Standard Full Charge Time	2.5 Hours
Nominal Capacity	56Ah	Mileage Per Full Charge	24~32 km (15~20 miles)
Norminal Energy	2.15kWh	Max Charge Current	50A (Continuous)
Peak Charge Voltage	43.8V	Max Discharge Current	50A (Continuous)
Discharge Cut-off Voltage	30V	Peak Discharge Current	200A (10S)
Dimensions (L*W*H)	385*338*245 mm	Charge Temperature	0~60°C
Weight	27 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

36V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	38.4V	Standard Full Charge Time	5 Hours
Nominal Capacity	105Ah	Mileage Per Full Charge	48~64 km (30~40 miles)
Norminal Energy	4.03kWh	Max Charge Current	100A (Continuous)
Peak Charge Voltage	43.8V	Max Discharge Current	100A (Continuous)
Discharge Cut-off Voltage	30V	Peak Discharge Current	200A (10S)
Dimensions (L*W*H)	385*338*245 mm	Charge Temperature	0~60°C
Weight	34 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

48V 50Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	51.2V	Standard Full Charge Time	2.5 Hours
Nominal Capacity	56Ah	Mileage Per Full Charge	35~48 km (20~30 miles)
Norminal Energy	2.86kWh	Max Charge Current	50A (Continuous)
Peak Charge Voltage	58.4V	Max Discharge Current	50A (Continuous)
Discharge Cut-off Voltage	40V	Peak Discharge Current	200A (10S)
Dimensions (L*W*H)	500*355*247 mm	Charge Temperature	0~60°C
Weight	33 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

48V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	51.2V	Standard Full Charge Time	5 Hours
Nominal Capacity	105Ah	Mileage Per Full Charge	64~81 km (40~50 miles)
Norminal Energy	5.37kWh	Max Charge Current	100A (Continuous)
Peak Charge Voltage	58.4V	Max Discharge Current	100A (Continuous)
Discharge Cut-off Voltage	40V	Peak Discharge Current	200A (10S)
Dimensions (L*W*H)	500*355*247 mm	Charge Temperature	0~60°C
Weight	43 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

48V 150Ah



Battery Cells Type	LiFePO4	Standard Charge Current	30A
Nominal Voltage	48V	Standard Full Charge Time	5 Hours
Nominal Capacity	150Ah	Mileage Per Full Charge	86~108 km (54~67 miles)
Normal Energy	7.2kWh	Max Charge Current	200A (Continuous)
Peak Charge Voltage	54.75V	Max Discharge Current	200A (Continuous)
Discharge Cut-off Voltage	37.5V	Peak Discharge Current	400A (10S)
Dimensions (L*W*H)	510*410*235 mm	Charge Temperature	0~60°C
Weight	55 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

72V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	76.8V	Standard Full Charge Time	5 Hours
Nominal Capacity	105Ah	Mileage Per Full Charge	97-113 km (60-70 miles)
Normal Energy	8.06kWh	Max Charge Current	100A (Continuous)
Peak Charge Voltage	87.6V	Max Discharge Current	100A (Continuous)
Discharge Cut-off Voltage	60V	Peak Discharge Current	315A (30S)
Dimensions (L*W*H)	740*320*246 mm	Charge Temperature	0~60°C
Weight	72 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

72V 200Ah



Battery Cells Type	LiFePO4	Standard Charge Current	40A
Nominal Voltage	76.8V	Standard Full Charge Time	5 Hours
Nominal Capacity	200Ah	Mileage Per Full Charge	150-200 km(100-120miles)
Normal Energy	15.36kWh	Max Charge Current	200A (Continuous)
Peak Charge Voltage	87.6V	Max Discharge Current	200A (Continuous)
Discharge Cut-off Voltage	60V	Peak Discharge Current	315A (30S)
Dimensions (L*W*H)	1138*410*253 mm	Charge Temperature	0~60°C
Weight	125 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

96V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	50A
Nominal Voltage	96V	Standard Full Charge Time	2 Hours
Nominal Capacity	100Ah	Mileage Per Full Charge	150-200 km(100-120miles)
Normal Energy	9.6kWh	Max Charge Current	100A (Continuous)
Peak Charge Voltage	109.5V	Max Discharge Current	250A (Continuous)
Discharge Cut-off Voltage	75V	Peak Discharge Current	300A (10S)
Dimensions (L*W*H)	950*295*289 mm	Charge Temperature	0~60°C
Weight	90 kg	Discharge Temperature	-20~60°C
IP Rating	IP67	Cycle Life	>6000 cycles (80% DOD)

REDWAY



Redway Group Lithium Battery Factories

Since 2012 / 4 Factories / 500+ Technicians

Factory Production Lines



Automatic Production Line



Automatic Production Line



Production Line



Charge/Discharge Test



Thermal Test



Finished Product Aging Test



Production Line



Production Line



Production Line



Automatic Production Line



Automatic Production Line



Production Line



Customer Visit Factory



Customer Visit Factory



Customer Visit Factory