

REDWAY

Your Reliable OEM/ODM Manufacturer for Lithium-ion Battery Pack



2 Year Warranty

***EBIKE Lithium-ion Battery Series
Catalogue***

REDWAY

INTRODUCTION

Redway Battery 24V/36V/48V/52V/60V EBike Li-ion Battery Series is high safety Li-ion Battery with high rates and energy density.

This 1500 times deep cycle lithium-ion battery can featuring long service life, widely used for **eBike**, **Electric Scooter**, **Electric Motorcycle**.





ADVANTAGES FOR EBIKE

We use high quality UL and IEC certified lithium batteries to ensure that our EBike lithium batteries have a DOD80% of more than 1500 cycles of excellent performance. This can meet the quality requirements of many European customers, and our battery products are very cost-effective.



FEATURES AND BENEFITS



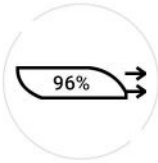
INCREASE YOUR E-BIKE PERFORMANCE

In cold weather, the thickened type shell can slow down the temperature loss rate inside the redway li-ion battery, thereby increasing the cruising range.



LONGER LIFE

Redway eBike li-ion batteries provide 80% of rated capacity after 1,500 cycles.



HIGH DISCHARGE EFFICIENCY

Redway eBike Li-ion battery can work at a temperature of -20 to 60 °C and the discharge efficiency can reach 96%. Take full advantage of the battery and the distance is longer. The battery self-discharge rate does not exceed 1.5%. It can save battery power.



BMS PROTECTION

Built-in Smart BMS protective board that protects the battery from overcharging, over-discharge, over-voltage, over-current, short circuit and temperature protection to ensure the safety of every customer.



2-Years Warranty

Redway li-ion battery use high-quality 18650 / 21700 cells, which make the battery more durable.



EXTREMELY WATER RESISTANT

Redway eBike li-ion battery passed IP67, the battery is waterproof and sand-proof.



SPECIFICATIONS

REAR RACK LITHIUM BATTERY PACK

All series and other types can be customized according to customer needs

Model													
Cell Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
Nominal Voltage	24 V	24 V	36 V	36 V	36 V	36 V	36 V	48 V	48 V	48 V	48 V	52 V	52 V
Nominal Capacity	10 Ah	22 Ah	13 Ah	15 Ah	16 Ah	19 Ah	35 Ah	10 Ah	14 Ah	15 Ah	18 Ah	15 Ah	20 Ah
Normal Energy	240 Wh	528 Wh	468 Wh	540 Wh	576 Wh	684 Wh	1260 Wh	480 Wh	672 Wh	720 Wh	864 Wh	780 Wh	1040 Wh
Weight	3.3 kg (7.27 lbs)	3.5 kg (7.72 lbs)	3.8 kg (8.37 lbs)	4 kg (8.81 lbs)	4.2 kg (9.26 lbs)	4.5 kg (9.92 lbs)	6.2 kg (13.66 lbs)	4.9 kg (10.8 lbs)	5.2 kg (11.46 lbs)	5.6 kg (12.34 lbs)	5.8 kg (12.78 lbs)	4.6 kg (10.14 lbs)	5.5 kg (12.12 lbs)
Cycle Life	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times
Dimension (L*W*H)	93 * 135 * 360 mm 3.66 * 5.31 * 14.17 in	444 * 75 * 150 mm 17.48 * 2.95 * 5.9 in	490 * 210 * 40 mm 19.29 * 8.26 * 1.57 in	465 * 163 * 55 mm 18.30 * 6.41 * 2.16 in	460 * 155 * 55 mm 18.11 * 6.1 * 2.16 in	427 * 150 * 65 mm 16.81 * 5.9 * 2.56 in	365 * 163 * 80 mm 14.37 * 6.42 * 3.15 in	415 * 140 * 49 mm 16.34 * 5.51 * 1.93 in	480 * 220 * 45 mm 18.90 * 8.66 * 1.77 in	275 * 168 * 70 mm 10.83 * 6.61 * 2.75 in	470 * 149 * 60 mm 18.5 * 5.86 * 2.36 in	420 * 145 * 50 mm 16.53 * 5.7 * 1.97 in	400 * 150 * 60 mm 15.75 * 5.9 * 2.36 in

FROG EBIKE BATTERY PACK

Model													
Cell Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion						
Nominal Voltage	24 V	24 V	36 V	48 V	36 V	48 V	48 V						
Nominal Capacity	10 Ah	20 Ah	10 Ah	30 Ah	15 Ah	10 Ah	30 Ah						
Normal Energy	240 Wh	480 Wh	360 Wh	468 Wh	540 Wh	480 Wh	1440 Wh						
Weight	2.5 kg (5.51 lbs)	3.3 kg (7.27 lbs)	3 kg (6.61 lbs)	3.4 kg (7.5 lbs)	3.7 kg (8.15 lbs)	4 kg (8.81 lbs)	5.6 kg (12.34 lbs)						
Cycle Life	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times						
Dimension (L*W*H)+	315 * 150 * 150 mm 12.4 * 5.9 * 5.9 in	315 * 150 * 160 mm 12.4 * 5.9 * 6.3 in	100 * 125 * 200 mm 3.93 * 4.92 * 7.87 in	320 * 147 * 150 mm 12.6 * 5.79 * 5.9 in	317 * 155 * 153 mm 12.5 * 6.1 * 6 in	170 * 140 * 70 mm 6.69 * 5.51 * 2.75 in	300 * 144 * 136 mm 11.8 * 5.67 * 5.35 in						



SPECIFICATIONS

DOWN TUBE EBIKE BATTERY PACK

All series and other types can be customized according to customer needs

Model													
Cell Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	
Nominal Voltage	24 V	24 V	36 V	36 V	36 V	36 V	48 V	48 V	48 V	48 V	52 V	60 V	
Nominal Capacity	10 Ah	17 Ah	10 Ah	13 Ah	17 Ah	20 Ah	10 Ah	12 Ah	14 Ah	20 Ah	18 Ah	40 Ah	
Normal Energy	240 Wh	408 Wh	360 Wh	468 Wh	612 Wh	720 Wh	480 Wh	576 Wh	672 Wh	960 Wh	936 Wh	2400 Wh	
Weight	2 kg (4.4 lbs)	2.3 kg (5 lbs)	3 kg (6.6 lbs)	3.7 kg (8.15 lbs)	4.2 kg (9.26 lbs)	4 kg (8.8 lbs)	4 kg (8.8 lbs)	4.4 kg (9.7 lbs)	4.5 kg (9.92 lbs)	4.9 kg (10.8 lbs)	5.5 kg (12.12 lbs)	6.5 kg (14.33 lbs)	
Cycle Life	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	
Dimension	86 * 326 mm 3.39 * 12.83 in	368 * 96 * 90 mm 3.5 * 12.8 in	89 * 325 mm 3.5 * 12.8 in	361 * 90 * 92 mm 14.21 * 3.54 * 3.62 in	368 * 90 * 111 mm 14.49 * 3.74 * 4.37 in	368 * 95 * 125 mm 14.49 * 3.74 * 4.92 in	438 mm 17.24 in	375 * 90 mm 14.76 * 3.54 in	368 * 91.5 * 96.5 mm 14.5 * 3.6 * 3.8 in	372 * 91 * 126 mm 14.66 * 3.58 * 4.97 in	500 mm 19.68 in	89 * 325 mm 3.5 * 12.8 in	

EBIKE BATTERY SOFT PACK AND OTHER TYPES

Model													
Cell Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion				
Nominal Voltage	24 V	24 V	24 V	36 V	36 V	48 V	48 V	48 V	60 V				
Nominal Capacity	10 Ah	13 Ah	20 Ah	10 Ah	12 Ah	12 Ah	20 Ah	20 Ah	20 Ah				
Normal Energy	240 Wh	312 Wh	480 Wh	360 Wh	432 Wh	576 Wh	960 Wh	960 Wh	1200 Wh				
Weight	2.2 kg (4.85 lbs)	2.6 kg (5.73 lbs)	3 kg (6.6 lbs)	3.5 kg (7.7 lbs)	3.1 kg (6.83 lbs)	5 kg (11 lbs)	3.6 kg (7.93 lbs)	6 kg (13.23 lbs)	6.4 kg (14.1 lbs)				
Cycle Life	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times	1500 times				
Dimension (L*W*H)	62 * 60 * 150 mm 2.44 * 2.36 * 5.9 in	65 * 68 * 130 mm 2.56 * 2.68 * 5.12 in	60 * 59 * 135 mm 2.36 * 2.32 * 5.12 in	208 * 89 * 71 mm 8.2 * 3.5 * 2.8 in	118 * 120 * 140 mm 4.64 * 4.72 * 5.51 in	430 * 70 * 45 mm 16.93 * 2.75 * 1.77 in	240 * 120 * 69 mm 9.45 * 4.72 * 2.72 in	Triangle 266 * 281 * 457.2 * 95.25 mm 10.5 * 11 * 18 * 3.75 in	300 * 160 * 70 mm 11.8 * 6.3 * 2.75 in				



DIMENSIONS

24V / 36V Series

All series and other types can be customized according to customer needs



24V10Ah



24V12Ah



24V15Ah



24V20Ah



36V10Ah



36V13Ah



36V15Ah



36V18Ah



DIMENSIONS

48V / 52V / 60V Series

All series and other types can be customized according to customer needs



48V14Ah



48V12Ah



48V14Ah



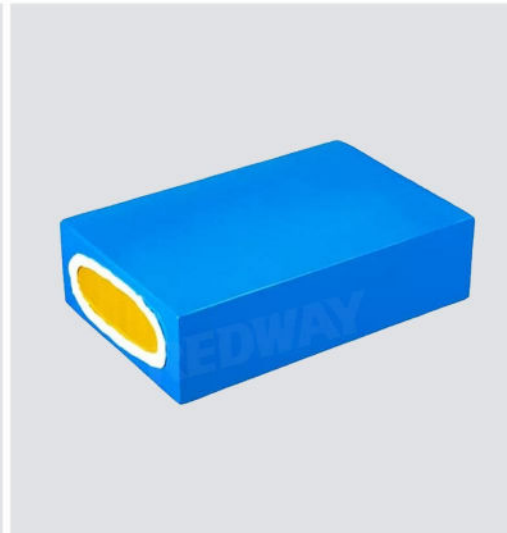
48V22Ah



52V15Ah



52V20Ah



60V20Ah



60V36Ah





YOUR MOST TRUSTED PARTNER

Whether on road or on the muddy ground, delivering an optimal user experience is at the heart of Redway Battery's business. It's why we are proud to be the world's leading supplier of products and integrated systems to the EBIke, Electric Scooter, Electric Motorcycle. Our broad portfolio of market leading brands in Power Management, Li-ion Cell Quality, and Li-ion Battery Manufacturing are distributed globally to a diverse aftermarket and OEM customer base.

Redway Battery provides our customers with the highest quality and safest lithium products, in compliance with all regulatory standards.

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Certifications

Factory: ISO 9001:2015
Cell: IEC 62619 / UL 1642 / UN38.3 / MSDS
Battery Pack: CE / IEC 62100 / RoHS
(More available upon request)



ISO 9001:2015



UL



ROHS



UN 38.3



CE



IEC





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Redway Power Group (HK) Limited

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Hong Kong Rayworld Industrial Co., Limited

RM 21 UNIT A 11/F TIN WUI IND BLDG NO 3 HING WONG ST TUEN MUN NT, HONG KONG



Production Base 1 (Factory 1)

Building 2, 78 Puxing East Road, Qingxi Town, Dongguan



Production Base 2 (Factory 2)

No. 6 Xinyuan Road, Yantan District, Zigong, Sichuan



R&D Center

Building 5, No.105 Qingbin East Road, Qingxi Town, Dongguan

REDWAY BATTERY OEM SERVICES



Inquiry

1. The experienced sales representatives will look at the submitted documents to evaluate the information provided.



Evaluation

2. Once we acquire all necessary info regarding your inquiry, our engineering department will develop the best solution based on your need.



Specification Verification

3. Engineers will send the best solution found to our sales representative and relay the information back to you to verify the solution provided.



Quotation

4. Once you verify the solution, we will formally send an estimated cost of service including any related fees to the fulfillment of the service.



Sample Production

5. Before moving to mass production, sample batteries will be provided to ensure customer satisfaction.



Price Verification

6. Once satisfied with the performance of samples and final design; a formal document of total price of services will be sent to you for final verification.



Production Schedule

7. Once the order has been paid, a timeframe of the production will be relayed to you by your sales representatives.



Shipment

8. Batteries will be shipped to the customer's designated location.



CAPABILITIES

- (1) Custom Manufacturing Capability
- (2) Ultrasonic Welding
- (3) Resistance Welding
- (4) Capacitance Discharge Welding
- (5) Custom Cable Assemblies
- (6) Small/Large Volume Capability
- (7) Prototyping Capability
- (8) Circuit Board Design (Battery Related)
- (9) Contract Manufacturing (Battery Related Devices)
- (10) In-House Design Capabilities (CAD)

ADVANTAGES

- (1) Assembly Solutions
- (2) Molded Plastic Cases
- (3) ISO 9001:2015 Certified
- (4) Computerized Milling Machines
- (5) In-House Engineering
- (6) Reverse Engineering
- (7) DFM Review
- (8) Solutions Oriented Sales Staff
- (9) Technical Advice and Follow-Up
- (10) Post Initial Order from Engineering, R&D and Sales to Ensure Quality and Performance

