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Hong Kong Rayworld Industrial Co., Ltd
Flat/Rm 7022 B1K D 7/F Tak Wing Industry Bldg, 3
Tsun Wen Road Tuen Mun Nt, Hong Kong



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



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



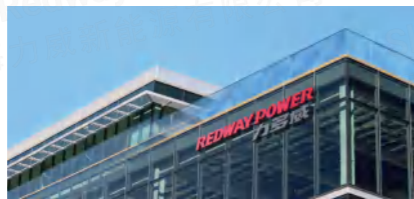
Production Plant
Dongguan Rayworld Technology Co., Ltd
Building 5, No.105 Qingbin East Road, Qingxi
Town, Dongguan
Shenzhen Shiyi Technology Co., Ltd



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
City, Sichuan



Shenzhen Rayworld Technology Co., Ltd
Room 827, Building 1-2, Yaofengtong Industrial
Park, No. 1, East Ring Road, Yousong Community,
Longhua Street, Longhua District, Shenzhen



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

REDWAY BATTERY GROUP

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



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LITHIUM BATTERY PACKS EXPERT

REDWAY



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

REDWAY

Redway Power is a leading lithium-based 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. With over 50 R&D engineers and 5 production bases, Redway offers unparalleled development and rapid prototyping services, enabling clients to quickly bring new products to market.



12
Years (Since 2012)



5GWh
Production Capacity



100+
Countries & Regions



200,000+
Served Families/End Users



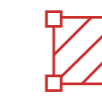
50+
R&D Engineers



300+
Technicians



5
Production Base



86,000 ft²
Production Base Area

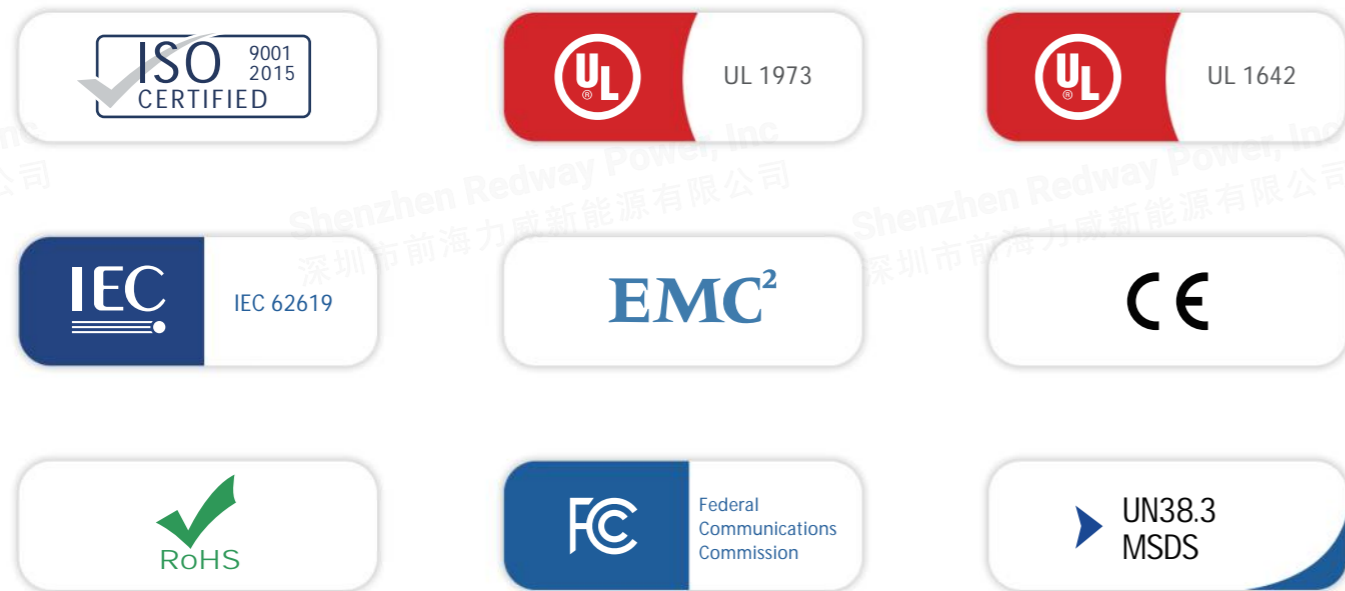
GLOBAL PRESENCE



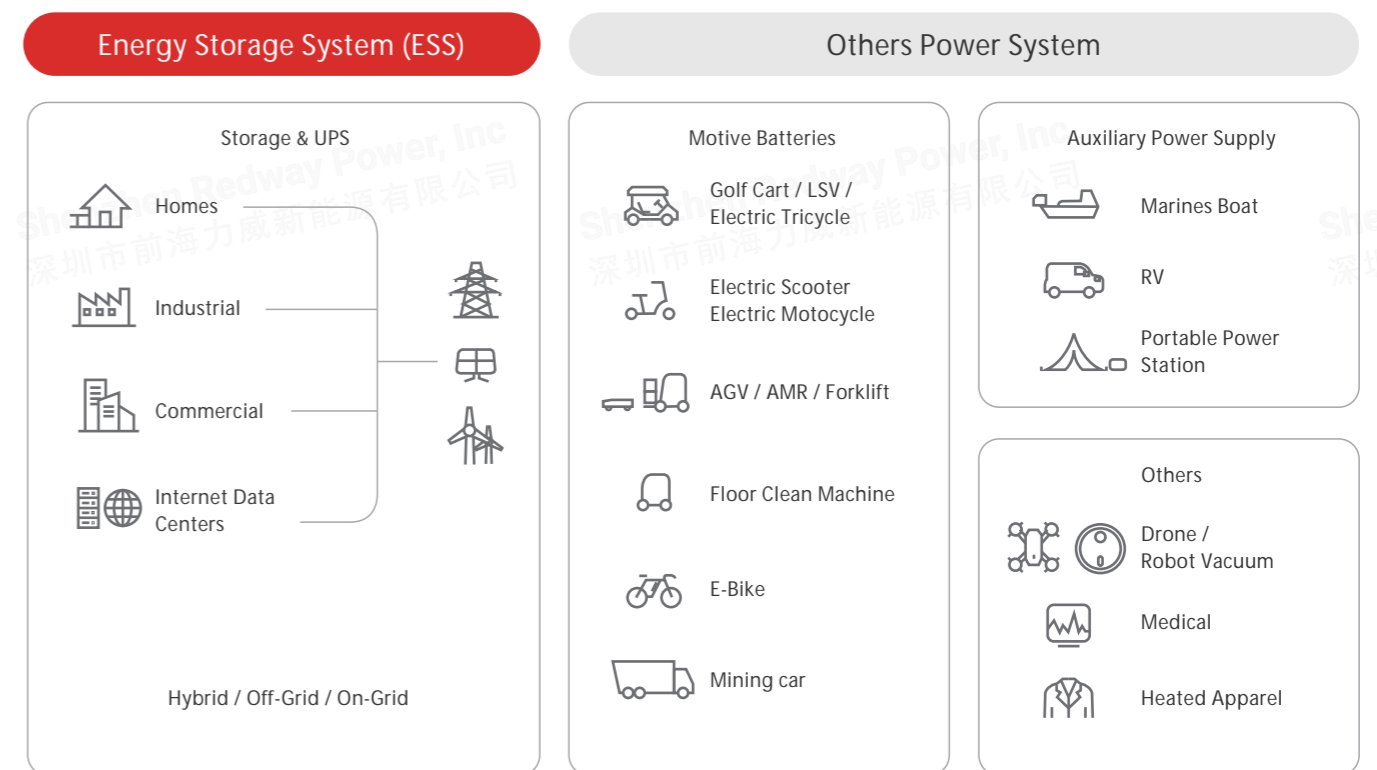
OUR EXPERTISE



CERTIFICATIONS



MAJOR APPLICATIONS



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

Thermal runaway protection

Heat/Gases generation protection

Lithium Ion Battery

Safety Standards

Cooling

Thermal shock protection

Mechanical abuse protection

The Safest Chemistry LiFePO4

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

Cost

Lifespan

Performance


Specific Energy

Specific Power

Safety

The Most Robust Cell Types

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




Plastic

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 disassembly, 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.



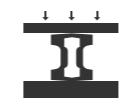
Shock Test

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



Modular Battery - Low Voltage

2.4kWh / 2.56kWh



PM-LV4850-2U-PRO
PM-LV5150-2U-PRO

2.4kWh / 2.56kWh



PM-LV4850-3U
PM-LV5150-3U

4.8kWh / 5.12kWh



PM-LV48100-3U
PM-LV51100-3U

4.8kWh / 5.12kWh



PM-LV48100-3U-PRO
PM-LV51100-3U-PRO

PowerModule-LV Series

Lithium-ion Battery Module & Rack System

48V50Ah / 51.2V50Ah / 48V100Ah / 51.2V100Ah

48V150Ah / 48V200Ah

- . PM-LV4850-3U
- . PM-LV5150-3U
- . PM-LV48100-3U
- . PM-LV51100-3U
- . PM-LV48150-3U
- . PM-LV4850-2U-PRO
- . PM-LV5150-2U-PRO
- . PM-LV48100-3U-PRO
- . PM-LV51100-3U-PRO
- . PM-LV51200-3U
- . PM-LV51100-3U TELECOM
- . PM-LV51150-3U TELECOM



Scalable Power Storage



Efficient Space Utilization



Intelligent Energy Monitoring



Modular Design for Flexibility



Advanced BMS



Easy Installation and Maintenance

PR-LV4850-3U



4P

8P

16P

Racky System Type	PR-LV4850-3U (4P)	PR-LV4850-3U (8P)	PR-LV4850-3U (16P)
Nominal Capacity	200Ah	400Ah	800Ah
Battery Voltage	48V	48V	48V
Norminal Energy	9.6kWh	19.2kWh	38.4kWh
Max. Power Output	7.68kW	15.36kW	30.72kW
Charging Current	100A	200A	400A
Working Voltage	37.5V~54.75V	37.5V~54.75V	37.5V~54.75V
Net Weight	92kg (202.82 lb)	273kg (601.86 lb)	546kg (1203.72 lb)
Dimension (L*W*H)	330*478.5*576 mm	600*600*1600 mm	600*1200*1600 mm

PR-LV5150-3U



4P

8P

16P

Racky System Type	PR-LV5150-3U (4P)	PR-LV5150-3U (8P)	PR-LV5150-3U (16P)
Nominal Capacity	200Ah	400Ah	800Ah
Battery Voltage	51.2V	51.2V	51.2V
Norminal Energy	10.24kWh	20.48kWh	40.96kWh
Max. Power Output	8.19kW	16.38kW	32.76kW
Charging Current	100A	200A	400A
Working Voltage	40V~58.4V	40V~58.4V	40V~58.4V
Net Weight	96kg (211.64 lb)	281kg (619.49 lb)	562kg (1239 lb)
Dimension (L*W*H)	330*478.5*576 mm	600*600*1600 mm	600*1200*1600 mm

PM-LV4850-3U



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	50Ah	Max. Parallel Connection	16
Nominal Voltage	48V	Series/Parallel Number	15S1P
Norminal Energy	2.4kWh	Design Life	20 years
Working Voltage	37.5V~54.75V	Warranty	7 years
Net Weight	23kg (50.7 lb)	Working Temperature	-20~60°C
Dimension (L*W*H)	330*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PM-LV5150-3U



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	50Ah	Max. Parallel Connection	16
Nominal Voltage	51.2V	Series/Parallel Number	16S1P
Norminal Energy	2.56kWh	Design Life	20 years
Working Voltage	40V~58.4V	Warranty	7 years
Net Weight	24kg (52.9 lb)	Working Temperature	-20~60°C
Dimension (L*W*H)	330*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PR-LV4850-2U-PRO



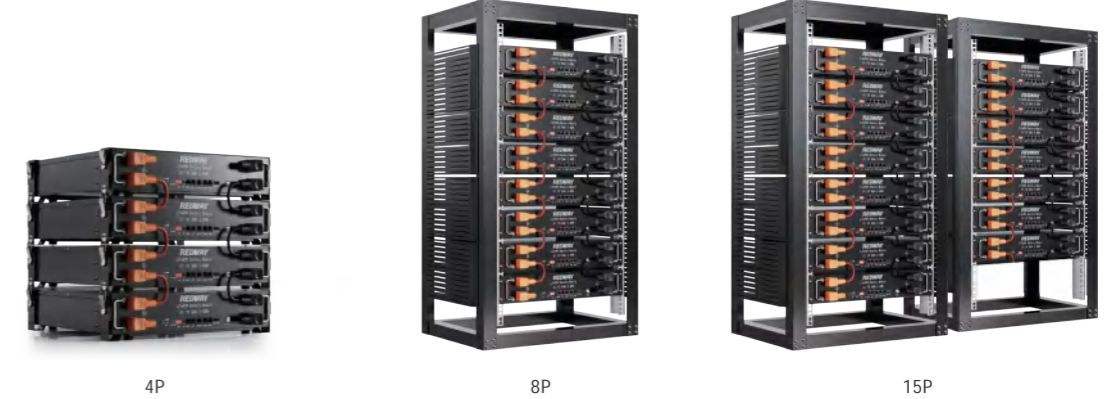
4P

8P

15P

Racky System Type	PR-LV4850-2U-PRO (4P)	PR-LV4850-2U-PRO (8P)	PR-LV4850-2U-PRO (15P)
Nominal Capacity	200Ah	400Ah	750Ah
Battery Voltage	48V	48V	48V
Norminal Energy	9.6kWh	19.2kWh	36kWh
Max. Power Output	7.68kW	15.36kW	28.8kW
Charging Current	100A	200A	375A
Working Voltage	37.5V~54.75V	37.5V~54.75V	37.5V~54.75V
Net Weight	88kg (194 lb)	253kg (557.8 lb)	484kg (1067 lb)
Dimension (L*W*H)	412*472*424 mm	600*600*1000 mm	600*1200*1000 mm

PR-LV5150-2U-PRO



4P

8P

15P

Racky System Type	PR-LV5150-2U-PRO (4P)	PR-LV5150-2U-PRO (8P)	PR-LV5150-2U-PRO (15P)
Nominal Capacity	200Ah	400Ah	750Ah
Battery Voltage	51.2V	51.2V	51.2V
Norminal Energy	10.24kWh	20.48kWh	38.4kWh
Max. Power Output	8.19kW	16.38kW	30.72kW
Charging Current	100A	200A	375A
Working Voltage	40V~58.4V	40V~58.4V	40V~58.4V
Net Weight	92kg (202.8 lb)	261kg (575.4 lb)	499kg (1100 lb)
Dimension (L*W*H)	412*472*424 mm	600*600*1000 mm	600*1200*1000 mm

PM-LV4850-2U-PRO



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	50Ah	Max. Parallel Connection	15
Nominal Voltage	48V	Series/Parallel Number	15S1P
Norminal Energy	2.4kWh	Design Life	20 years
Working Voltage	37.5V~54.75V	Warranty	10 years
Net Weight	22kg (48.5 lb)	Working Temperature	-20~60°C
Dimension (L*W*H)	410*440*88.5 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PM-LV5150-2U-PRO



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	50Ah	Max. Parallel Connection	15
Nominal Voltage	51.2V	Series/Parallel Number	16S1P
Norminal Energy	2.56kWh	Design Life	20 years
Working Voltage	40V~58.4V	Warranty	10 years
Net Weight	23kg (50.7 lb)	Working Temperature	-20~60°C
Dimension (L*W*H)	410*440*88.5 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PR-LV48100-3U



4P

8P

16P

Racky System Type	PR-LV48100-3U (4P)	PR-LV48100-3U (8P)	PR-LV48100-3U (16P)
Nominal Capacity	400Ah	800Ah	1600Ah
Battery Voltage	48V	48V	48V
Norminal Energy	19.2kWh	38.4kWh	76.8kWh
Max. Power Output	15.36kW	30.72kW	61.44kW
Charging Current	200A	400A	800A
Working Voltage	37.5V-54.75V	37.5V-54.75V	37.5V-54.75V
Net Weight	172kg (379.2 lb)	401kg (884 lb)	802kg (1768 lb)
Dimension (L*W*H)	420*478*600 mm	600*600*1600 mm	600*1200*1600 mm

PR-LV51100-3U



4P

8P

16P

Racky System Type	PR-LV51100-3U (4P)	PR-LV51100-3U (8P)	PR-LV51100-3U (16P)
Nominal Capacity	400Ah	800Ah	1600Ah
Battery Voltage	51.2V	51.2V	51.2V
Norminal Energy	20.48kWh	40.96kWh	81.92kWh
Max. Power Output	16.38kW	32.76kW	65.52kW
Charging Current	200A	400A	800A
Working Voltage	40V-58.4V	40V-58.4V	40V-58.4V
Net Weight	180kg (396.8 lb)	417kg (919.3 lb)	834kg (1838.6 lb)
Dimension (L*W*H)	420*478*600 mm	600*600*1600 mm	600*1200*1600 mm

PM-LV48100-3U



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	100Ah	Max. Parallel Connection	16
Nominal Voltage	48V	Series/Parallel Number	15S1P
Norminal Energy	4.8kWh	Design Life	20 years
Working Voltage	37.5V-54.75V	Warranty	7 years
Net Weight	39.5kg (87 lb)	Working Temperature	-20-60°C
Dimension (L*W*H)	420*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PM-LV51100-3U



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	100Ah	Max. Parallel Connection	16
Nominal Voltage	51.2V	Series/Parallel Number	16S1P
Norminal Energy	5.12kWh	Design Life	20 years
Working Voltage	40V-58.4V	Warranty	7 years
Net Weight	41kg (90.4 lb)	Working Temperature	-20-60°C
Dimension (L*W*H)	420*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PR-LV48100-3U-PRO



Racky System Type	PR-LV48100-3U-PRO (4P)	PR-LV48100-3U-PRO (8P)	PR-LV48100-3U-PRO (16P)
Nominal Capacity	400Ah	800Ah	1600Ah
Battery Voltage	48V	48V	48V
Norminal Energy	19.2kWh	38.4kWh	76.8kWh
Max. Power Output	15.36kW	30.72kW	61.44kW
Charging Current	200A	400A	800A
Working Voltage	37.5V-54.75V	37.5V-54.75V	37.5V-54.75V
Net Weight	160kg (352.7 lb)	401kg (884 lb)	802kg (1768 lb)
Dimension (L*W*H)	422*460*640 mm	600*600*1600 mm	600*1200*1600 mm

PR-LV51100-3U-PRO



Racky System Type	PR-LV51100-3U-PRO (4P)	PR-LV51100-3U-PRO (8P)	PR-LV51100-3U-PRO (16P)
Nominal Capacity	400Ah	800Ah	1600Ah
Battery Voltage	51.2V	51.2V	51.2V
Norminal Energy	20.48kWh	40.96kWh	81.92kWh
Max. Power Output	16.38kW	32.76kW	65.52kW
Charging Current	200A	400A	800A
Working Voltage	40V-58.4V	40V-58.4V	40V-58.4V
Net Weight	168kg (370.3 lb)	417kg (919.3 lb)	834kg (1838.6 lb)
Dimension (L*W*H)	422*460*640 mm (18.1*16.6*25.2 in)	600*600*1600 mm (23.6*23.6*63 in)	600*1200*1600 mm (47.2*23.6*63 in)

PM-LV48100-3U-PRO



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	100Ah	Max. Parallel Connection	16
Nominal Voltage	48V	Series/Parallel Number	15S1P
Norminal Energy	4.8kWh	Design Life	20 years
Working Voltage	37.5V-54.75V	Warranty	10 years
Net Weight	39.5kg (87 lb)	Working Temperature	-20-60°C
Dimension (L*W*H)	420*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PM-LV51100-3U-PRO



Battery Type	LiFePO4	IP Grade	IP21 (Higher grade optional)
Battery Capacity	100Ah	Max. Parallel Connection	16
Nominal Voltage	51.2V	Series/Parallel Number	16S1P
Norminal Energy	5.12kWh	Design Life	20 years
Working Voltage	40V-58.4V	Warranty	10 years
Net Weight	41kg (90.4 lb)	Working Temperature	-20-60°C
Dimension (L*W*H)	420*440*134 mm	Communication	CAN / RS485 / RS232
Cycle Life (25°C@60%DOD)	>8,000 cycles	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Cycle Life (25°C@80%DOD)	>6,000 cycles	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PM-LV48100-3U-TELECOM



Battery type	LiFePO4	Charge Temperature	0°C ~ 55°C
Nominal Capacity	100Ah	Discharge Temperature	-20°C ~ 60°C
Battery Voltage	48V	IP rating	IP20
Norminal Energy	4.8kWh	Communication	RS485/RS232/CAN
Max. Discharge Current	100A	Cycle Life	> 6000 Cycles@80%DOD
Max. Charge Current	100A	Altitude	<2000m
Working Voltage	37.5V-54.75V	Humidity	5% ~ 95%(RH)
Net Weight	40kg	BMS	Advanced BMS
Dimension (L*W*H)	420*440*133.5 mm	Design Life	20 Years



PM-LV48150-3U-TELECOM



Battery type	LiFePO4	Charge Temperature	0°C ~ 55°C
Nominal Capacity	150Ah	Discharge Temperature	-20°C ~ 60°C
Battery Voltage	48V	IP rating	IP20
Norminal Energy	7.2kWh	Communication	RS485/RS232/CAN
Max. Discharge Current	100A	Cycle Life	> 6000 Cycles@80%DOD
Max. Charge Current	100A	Altitude	<2000m
Working Voltage	37.5V-54.75V	Humidity	5% ~ 95%(RH)
Net Weight	51.5kg	BMS	Advanced BMS
Dimension (L*W*H)	550*440*133.5 mm	Design Life	20 Years

PM-LV48200-3U



Battery type	LiFePO4	Charge Temperature	0°C ~ 55°C
Nominal Voltage	200Ah	Discharge Temperature	-10°C ~ 60°C
Battery Capacity	48V	IP rating	IP20
Norminal Energy	9.6kWh	Communication	RS485/RS232/CAN
Max. Discharge Current	100A	Cycle Life	> 6000 Cycles@80%DOD
Max. Charge Current	100A	Altitude	<2000m
Working Voltage	37.5V-54.75V	Humidity	5% ~ 95%(RH)
Net Weight	85kg	BMS	Advanced BMS
Dimension (L*W*H)	570*440*222 mm	Design Life	10 Years



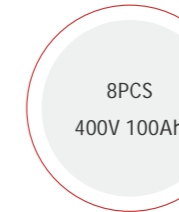
Modular Battery - High Voltage



PM-HV10250-3U



PM-HV51100-3U



PowerModule-HV Series

Lithium-ion Battery Module & Rack System

48V 100Ah / 100V 50Ah

- PM-HV10250-3U
- PM-HV51100-3U



High-Voltage Power



Individual BMU and Master BCU
for Enhanced Protection



Non-toxic, Non-polluting and
Environmental Friendly



Stackable Design Configuration



LifePO4 Cell Safety Certified and Reliable

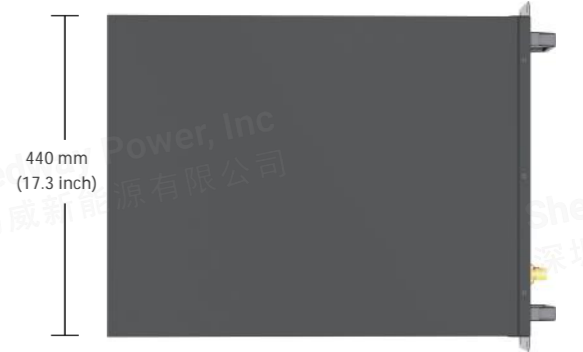
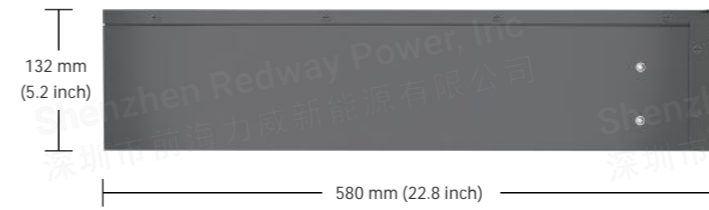


Wide Operating Temperature Range

PM-HV10250-3U



PM-HV51100-3U



System				
Number of Modules	3	4	5	6
Nominal Energy	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Nominal Voltage	307.2V	409.6V	512V	614.4V
Operating Voltage	240V-350.4V	320V-467.2V	400V-584V	480V-700.8V
Recommended Charging	25A	25A	25A	25A
Max. Charging / Discharge	50A	50A	50A	50A
Max. Power Output	15kW	20kW	25kW	30kW
Battery Module	PM-HV10250-3U			
Nominal Basic Data	102.4V / 50A / 5.12kWh / 580 x 440 x 132.4 mm			
Working Voltage	80V-116.8V			
Max. Charge/Discharge	50A			
Battery Cell Type	LiFePO4			
Working Temperature	-20-60°C			
Ingress Protection	IP20 (Higher grade optional)			
Cycle Life (25°C@60%DOD)	>8,000 cycles			
Communication	CAN-bus / RS485			
Compatible Inverters	Victron/SMA/Goodwe/Sol-Ark/Growatt/Megerevo/Sofar/Luxpower/SRNE/Voltronic/Deye/etc.			
BCU	Advanced BCU / 580 x 440 x 132.4 mm			
Design Life	10 Years			

System						
Number of Modules	3	4	5	6	7	8
Nominal Energy	15.36kWh	20.48kWh	25.6kWh	30.7kWh	35.8kWh	40.9kWh
Nominal Voltage	153.6V	204.8V	512V	307.2V	358.4V	409.6V
Operating Voltage	120V-175.2V	160V-233.6V	200V-292V	240V-350.4V	280V-408.8V	320V-467.2V
Recommended Charging	50A	50A	50A	50A	50A	50A
Max. Charging / Discharge	100A	100A	100A	100A	100A	100A
Max. Power Output	15kW	20kW	25kW	30kW	35kW	40kW
Battery Module	PM-HV51100-3U					
Nominal Basic Data	51.2V / 100A / 5.12kWh / 580 x 440 x 132.4 mm					
Working Voltage	40V-58.4V					
Max. Charge/Discharge	100A					
Battery Cell Type	LiFePO4					
Working Temperature	-20-60°C					
Ingress Protection	IP20 (Higher grade optional)					
Cycle Life (25°C@60%DOD)	>8,000 cycles					
Communication	CAN-bus / RS485					
Compatible Inverters	Victron/SMA/Goodwe/Sol-Ark/Growatt/Megerevo/Sofar/Luxpower/SRNE/Voltronic/Deye/etc.					
BCU	Advanced BCU / 580 x 440 x 132.4 mm					
Design Life	10 Years					

REDWAY



Golf Cart Battery Series



Golf Cart Lithium Batteries

2~14 Seats Golf Cart, Sightseeing car, Club Car
36, 48V, 72V

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



Suitable for Various Car Models



>98% Discharge Rate, Greater Power



>5000 Cycles
Longer Life than Lead-acid Batteries



Waterproof IP67



Advanced BMS Protection



Maintenance-free & Easy Installation

36V 50Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	38.4V	Standard Charging Time	2.5 Hours
Battery Capacity	56Ah	Max. Continuous Charging Current	50A
Norminal Energy	2.15kWh	Max. Continuous Discharge Current	50A
Charging Voltage	43.8V	Max. Peak Discharge Current	200A (10S)
Discharge Voltage	30V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	24-32 km (15-20 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	385*338*245 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	27 kg	IP Rating	IP67

36V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	38.4V	Standard Charging Time	5 Hours
Battery Capacity	105Ah	Max. Continuous Charging Current	100A
Norminal Energy	4.03kWh	Max. Continuous Discharge Current	100A
Charging Voltage	43.8V	Max. Peak Discharge Current	200A (10S)
Discharge Voltage	30V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	48-64 km (30-40 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	385*338*245 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	34 kg	IP Rating	IP67

48V 50Ah



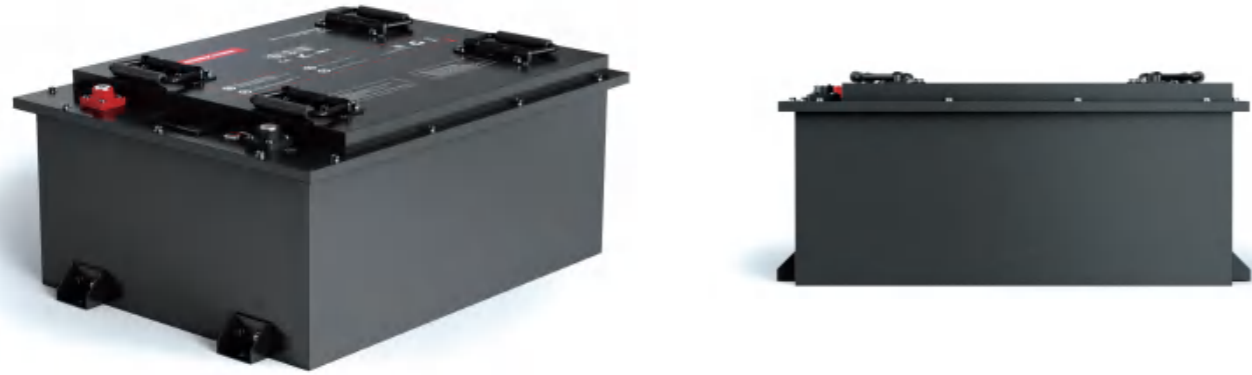
Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	51.2V	Standard Charging Time	2.5 Hours
Battery Capacity	56Ah	Max. Continuous Charging Current	50A
Norminal Energy	2.86kWh	Max. Continuous Discharge Current	50A
Charging Voltage	58.4V	Max. Peak Discharge Current	200A (10S)
Discharge Voltage	40V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	35-48 km (20-30 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	460*334*247 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	33 kg	IP Rating	IP67

48V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	51.2V	Standard Charging Time	5 Hours
Battery Capacity	105Ah	Max. Continuous Charging Current	100A / 150A / 200A
Norminal Energy	5.37kWh	Max. Continuous Discharge Current	100A / 150A / 200A
Charging Voltage	58.4V	Max. Peak Discharge Current	200A (10S) / 250A (10S) / 315A (30S)
Discharge Voltage	40V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	64-81 km (40-50 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	460*334*247 mm / 565*330*255 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	43-46 kg	IP Rating	IP67

48V 150Ah



Battery Cells Type	LiFePO4	Standard Charge Current	30A
Nominal Voltage	48V	Standard Charging Time	5 Hours
Battery Capacity	150Ah	Max. Continuous Charging Current	200A
Norminal Energy	7.2kWh	Max. Continuous Discharge Current	200A
Charging Voltage	54.75V	Max. Peak Discharge Current	400A (30S)
Discharge Voltage	37.5V	Charging Temperature	0-65°C
Typical Mileage Per Full Load	86-108 km (54-67 miles)	Discharge Temperature	-20-65°C
Dimension (L*W*H)	510*410*235 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	55 kg	IP Rating	IP67

48V 160Ah



Battery Cells Type	LiFePO4	Standard Charge Current	22A
Nominal Voltage	51.2V	Standard Charging Time	7.5 Hours
Battery Capacity	160Ah	Max. Continuous Charging Current	100A / 160A
Norminal Energy	8.19kWh	Max. Continuous Discharge Current	100A / 160A
Charging Voltage	58.4V	Max. Peak Discharge Current	200A (10S) / 315A (30S)
Discharge Voltage	40V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	97-113 km (60-70 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	800*332*332 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	72-75 kg	IP Rating	IP67

72V 100Ah



Battery Cells Type	LiFePO4	Standard Charge Current	14A
Nominal Voltage	76.8V	Standard Charging Time	7.5 Hours
Battery Capacity	105Ah	Max. Continuous Charging Current	150A
Norminal Energy	8.06kWh	Max. Continuous Discharge Current	150A
Charging Voltage	87.6V	Max. Peak Discharge Current	315A (30S)
Discharge Voltage	60V	Charging Temperature	0-55°C
Typical Mileage Per Full Load	97-113 km (60-70 miles)	Discharge Temperature	-20-55°C
Dimension (L*W*H)	740*320*246 mm	Cycle Life (80% DOD)	>5000 cycles
Net Weight	72 kg	IP Rating	IP67

96V 100Ah



Battery Cells Type	LiFePO4	Max. Continuous Charging Current	50A
Nominal Voltage	96V	Max. Continuous Discharge Current	100A
Battery Capacity	100Ah	Max. Peak Discharge Current	300A (3S)
Norminal Energy	9.6kWh	Charging Temperature	0-55°C
Charging Voltage	109.5V	Discharge Temperature	-20-55°C
Discharge Voltage	75V	Cycle Life (80% DOD)	>3000 cycles
Typical Mileage Per Full Load	97-113 km (60-70 miles)	IP Rating	IP66
Dimension (L*W*H)	900*300*245 mm	Communication	CAN-bus
Net Weight	100 kg	Self-Heating	Yes

REDWAY



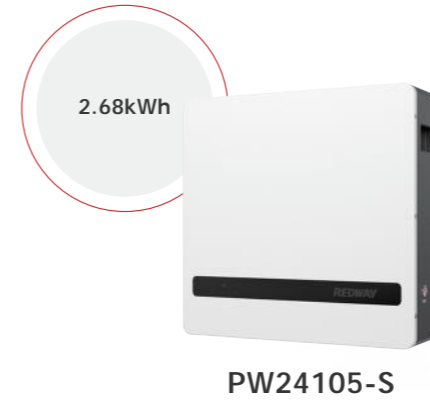
PowerWall Series

Power Storage Wall

2.56kWh / 2.68kWh / 5.12kWh / 9.42kWh / 10.24kWh

- . PW24105-S
- . PW5150-S
- . PW51100-S
- . PW51100-F (IP65)
- . PW51184-S
- . PW51200-F (IP65)
- . PW51100-H
- . PW51200-H
- . PW51300-H

PowerWall Series



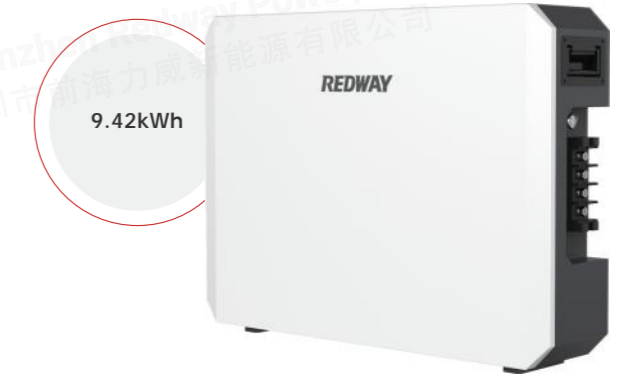
PW24105-S



PW51100-S



PW5150-S



PW51184-S



PW51100-F



PW51200-F



Up to 16 Units in Parallel



Long Life Span at 8,000 Cycles



Wide Inverter Compatibility



Various Installation



Enhanced Safety Inbuilt BMS



10 Years Warranty

PW24105-S / PW5150-S



M8 Thread Terminals



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	105Ah / 50Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	25.6V / 51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Normal Energy	2.69kWh / 2.56kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	20V~29.2V / 40V~58.4V	Max. Parallel Connection	16
Net Weight	25.5kg (56.2 lb) / 23.5kg (51.8 lb)	Design Life	20 years
Dimension (L*W*H)	420*400*133 mm (16.5*15.7*5.2 in) 350*335*148 mm (13.8*13.2*5.8 in)	Warranty	10 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Working Temperature	-20~60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PW51100-S



Redway PowerWall Internal



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	100Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Normal Energy	5.12kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	40V~58.4V	Max. Parallel Connection	16
Net Weight	46kg (101.4 lb)	Design Life	20 years
Dimension (L*W*H)	532*425*170 mm (20.9*16.7*6.7 in)	Warranty	10 years
Color	White / Gray / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Working Temperature	-20~60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PW51100-F (IP65)



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	100Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Normal Energy	5.12kWh	IP Grade	IP65
Working Voltage	40V~58.4V	Max. Parallel Connection	16
Net Weight	46kg (101.4 lb)	Design Life	20 years
Dimension (L*W*H)	580*430*155 mm (22.8*16.9*6.1 in)	Warranty	10 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Working Temperature	-20~60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PW51200-F



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	200Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Normal Energy	10.24kWh	IP Grade	IP65
Working Voltage	40V~58.4V	Max. Parallel Connection	16
Net Weight	95kg (209.4 lb)	Design Life	20 years
Dimension (L*W*H)	850*550*200 mm (33.5*21.7*7.9 in)	Warranty	10 years
Color	White / Gray / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Working Temperature	-20~60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PW51100-H



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	100Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	5.12kWh	IP Grade	IP20 (Higher grade optional)
Working Voltage	44.8V-57.6V	Max. Parallel Connection	4
Net Weight	56kg	Design Life	20 years
Dimension (L*W*H)	676*440*180 mm	Warranty	10 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / Circuit breaker
Working Temperature	-20-60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.



PW51200-H



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	200Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	10.24kWh	IP Grade	IP20 (Higher grade optional)
Working Voltage	44.8V-57.6V	Max. Parallel Connection	4
Net Weight	113kg	Design Life	20 years
Dimension (L*W*H)	860*520*165 mm	Warranty	10 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / Circuit breaker
Working Temperature	-20-60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PW51300-H



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	300Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	15.36kWh	IP Grade	IP20 (Higher grade optional)
Working Voltage	40V-58.4V	Max. Parallel Connection	4
Net Weight	101kg	Design Life	20 years
Dimension (L*W*H)	780*676*238 mm	Warranty	10 years
Color	White / Gray / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Working Temperature	-20-60°C	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

REDWAY



PowerTower-HV Series

High Voltage Stackable Battery



High-Voltage Power



Advanced BMS for Safety



Fast Charging and Discharging Rates



Stackable Design for Scalability



Safety Certified and Reliable



Wide Operating Temperature Range

High Voltage Series for ESS





MCU (Main Control Unit)

Battery

Base



Battery

				
Number of Modules	3	4	5	6
Nominal Energy	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Nominal Voltage	307.2V	409.6V	512V	614.4V
Operating Voltage	240V-350.4V	320V-467.2V	400V-584V	480V-700.8V
Charging / Discharge	25A	25A	25A	25A
Max. Power Output	15kW	20kW	25kW	30kW
Weight	180kg (396.8 lb)	232kg (511.4 lb)	284kg (626.1 lb)	336kg (740.7 lb)
Battery Cell Type	LiFePO4			
Protection	Advanced BMS			
Charge Temperature	0~50°C			
Discharge Temperature	-10~50°C			
Humidity	20%~80%			
Ingress Protection	IP54 (Higher grade optional)			
Communication	CAN / RS485 / Ethernet			
Compatible Inverters	Victron/SMA/Goodwe/Sol-Ark/Growatt/Megerevo/Sofar/Luxpower/SRNE/Voltronic/Deye/etc.			
Battery Module	PM-HV10250-3U			
Design Life	10 Years			
Warranty	5 Years			
Certi cation	CE/UN38.3			

REDWAY



PowerAll All-in-One Series

5kWh~30.24kWh



Plug-and-Play Installation



Enhanced Monitoring MPPT Tracking



Integrated Pure Sine Wave Inverter



Power Stack Technology



Smart BMS



Versatile Power Input Options

PowerAll for ESS

Inverter

Battery

Base and Wheels



Battery

Number of Modules	1	2	3	4	5	6
Battery Capacity	105Ah	210Ah	315Ah	420Ah	525Ah	630Ah
Nominal Energy	5.04kWh	10.08kWh	15.12kWh	20.16kWh	25.2kWh	30.24kWh
Weight	85kg (187.4 lb)	138kg (304.2 lb)	191kg (421 lb)	244kg (537.9 lb)	297kg (654.7 lb)	350kg (771.6 lb)
Dimension (L*W*H)	420*580*430 mm (16.5*22.8*16.9 in)	420*580*615 mm (16.5*22.8*24.2 in)	420*580*800 mm (16.5*22.8*31.5 in)	420*580*985 mm (16.5*22.8*38.3 in)	420*580*1170 mm (16.5*22.8*46 in)	420*580*1335 mm (16.5*22.8*52.5 in)
Battery Type	LiFePO4					
Nominal Voltage	48V					
Working Voltage	37.5V~54.75V					
Charging Current	100A (Max)					
Discharge Current	100A (Max)					
Cycle Life @60%DOD	>8,000 cycles					
Cycle Life @80%DOD	>6,000 cycles					
Working Temperature	-20~60°C					

Inverter

Global Standards	EU/US
Rated Output Power	5kW
Rated Output Volt.	230V/120V
Max. Peak Power	10kVA/7kVA
Frequency	50Hz/60Hz

SmartOne-M1.2



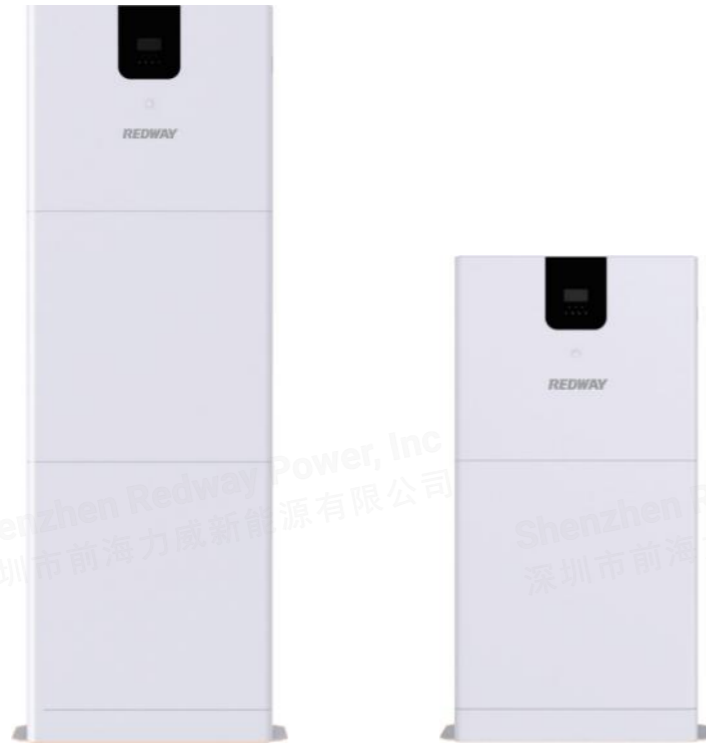
Inverter Model	SmartOne-M1.2
AC Input	
AC Voltage	200~240V
Grid Frequency	50Hz/60Hz
Input Power	80W
AC Output	
AC Voltage	230V
Grid Frequency	50Hz/60Hz
Output Power	1000W@25°C
Solar Input	
Max. PV Input Power	400W@25°C
Max. PV Input Current	10A
MPPT Tracker/Strings	1
MPPT Voltage Range	13V~60V
DC Output	
DC Output Power	65Wmax(19V,3.42A)
QC3.0 Output	
USB3.0*2 Output Power	18Wmax(5V3A 9V2A 12V1.5A)
PD Output	
Type-C Output Power	100Wmax(5V3A, 9V3A, 12V3A, 15V3A, 20V5A)
Battery Charging	
Max. Solar Charging Power	400W
Max. AC Charging Power	80W
Battery Module	
Cell Type	LFP
Battery Energy	1280Wh
Rated Voltage	25.6V
Rated Capacity	50Ah
System	
Dimensions	500*400*150mm
Weight	18.9kg
IP	IP20
Operating temperature	Charge: 0°C ~ +50°C / Discharge: -15°C ~ +50°C
Safety Certification	Design based on IEC62109-1&2, IEC62040-1, IEC62477-1

SmartOne-O



System Model	SmartOne-O5	SmartOne-O10	SmartOne-O15	SmartOne-O20
System Parameters				
Qty.of Battery Modules	1	2	3	4
System Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
IP Rating	IP20			
Operating Temperature	Charge: 0 ~ 45°C Discharge: -10 ~ 45°C			
Allowable relative humidity range	5% to 95%			
Max. operating altitude	<2000m			
Weight	63Kg	108Kg	152Kg	198Kg
Dimension	660*730*180mm	660*1070*180mm	660*1410*180mm	660*1750*180mm
Display	LCD & APP			
Communication	RS485 & WIFI			
System Parallel	2			
Inverter				
Rated Output Power	5000W			
Maximum Peak Power	10000VA			
Load Capacity of Motor 4HP	4HP			
Wave Form	Pure Sine Wave			
Output Mode	Hybrid Grid			
Power Factor	1			
Rated Output Voltage (Vac)	220Vac			
Frequency	50Hz/60Hz			
AC Charge				
AC Charging Current Range	60A			
Rated Input Voltage	220/230Vac			
Bypass Overload Current 40A	40A			
Input Voltage Range	90~280Vac			
AC Output				
Rated Output Power	5000W			
Maximum Output Current	30A			
Frequency	50Hz			
Overload Current	40A			
PV Charge				
Solar Charge Type	MPPT			
Maximum Output Power	5500W			
PV Charging Current Range	100A			
MPPT Voltage Range	120~450V			
Battery Module Data				
Battery Type	LiFePO4			
Battery Energy	5.12kWh			
Battery Capacity	100AH			
Battery Rated Voltage	51.2V			
Battery Working Voltage Range	44.8 ~ 57.6V			
Normal charge/discharge current	50A/50A			
Maximum Charging/discharge Current	100A/100A			
Designed Life-span	6000			
Operating Temperature	Charge: 0 ~ 45°C Discharge: -10 ~ 45°C			
Ingress Protection Rating	IP20			
Gross Weight	42kg			
Dimension Lx Dx H	660*340*180mm			





EOV 24V



Battery	EOV24-5.0S-S1	EOV24-10.0S-S1	EOV24-5.0U-S1	EOV24-10.0U-S1
Number of Modules	1	2	1	2
Battery Energy	5.12kWh	10.24kWh	5.12kWh	10.24kWh
Battery Capacity	200Ah	400Ah	200Ah	400Ah
Weight	100kg	170kg	100kg	170kg
Dimension (L*W*H)	1190x600x184 mm	1800x600x184 mm	1190x600x184 mm	1800x600x184 mm
Battery Type	LiFePO4			
Battery Rate Voltage	25.6V			
Working Voltage	22.4V-28.8V			
Charging Current	150A (Max)			
Discharge Current	150A (Max)			
Cycle Life @60%DOD	>8,000 cycles			
Parallel Quantity	2			
Inverter				
Inverter Model	EOV24-3.5S-C1 / EOV24-3.5U-C1			
Solar Charge Type	MPPT			
Max. Output Power	4000W			
PV Charging Current	0A~80A			
PV Operating Volt.	120V~500V			
MPPT Voltage	120V~450V			

EOH 48V



Battery				
Number of Modules	1	2	3	4
Battery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Battery Capacity	100Ah	200Ah	300Ah	400Ah
Weight	80kg (176.3 lb)	133kg (293.2 lb)	186kg (410 lb)	239kg (526.9 lb)
Dimension (L*W*H)	710*450*400 mm (27.9*17.7*15.7 in)	710*450*600 mm (27.9*17.7*23.6 in)	710*450*800 mm (27.9*17.7*31.5 in)	710*450*800 mm (27.9*17.7*39.4 in)
Battery Type	LiFePO4			
Battery Rate Voltage	51.2V			
Working Voltage	44.8~57.6V			
Charging Current	100A			
Discharge Current	100A			
Cycle Life @60%DOD	>8,000 cycles			
Parallel Quantity	4			
Inverter				
Global Standards	EU/US			
Rated Input Voltage	230V/120V			
Rated Output Power	5kW			
Max. Peak Power	10kVA			
Frequency	50Hz/60Hz			
Power Factor	1			

REDWAY



PowerTrolley Series



PT48280



PT51200



PT24200



PT24184

PowerTrolley Series

Movable Energy Storage Box with Wheels

4.7kWh / 5.12kWh / 8.8kWh / 9.4kWh / 13.4kWh

- . PT51200
- . PT48280
- . PT24200
- . PT24184



Scalable Power Storage



Extended Lifespan & Reliability



Versatile Power Outputs



Mobility with Wheels



Enhanced Safety Protocols



LED / LCD Display and Touch Controls

PT48200 / PT51200



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	184Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	48V / 51.2V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	8.83kWh / 9.42kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	37.5V~54.75V / 40V~58.4V	Max. Parallel Connection	16
Net Weight	76.5kg (168.6 lb) / 80kg (176.3 lb)	Design Life	20 years
Dimension (L*W*H)	770*220*542 mm (30.3*8.6*21.3 in)	Warranty	10 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Monitoring & Protection	Built-in smart BMS	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PT48280



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	280Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	48V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	13.4kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	37.5V~54.75V	Max. Parallel Connection	16
Net Weight	105kg (231.5 lb)	Design Life	10 years
Dimension (L*W*H)	560*560*320 mm (22*22*12.6 in)	Warranty	5 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Monitoring & Protection	Built-in smart BMS	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PT24200



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	200Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	25.6V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	5.12kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	20V~29.2V	Max. Parallel Connection	16
Net Weight	46kg (101.4 lb)	Design Life	10 years
Dimension (L*W*H)	385*400*295 mm (15.1*15.7*11.6 in)	Warranty	5 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Monitoring & Protection	Built-in smart BMS	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

PT24184



Battery Type	LiFePO4	Communication	CAN / RS485 / RS232
Battery Capacity	184Ah	Cycle Life (25°C@60%DOD)	>8,000 cycles
Nominal Voltage	25.6V	Cycle Life (25°C@80%DOD)	>6,000 cycles
Norminal Energy	4.71kWh	IP Grade	IP21 (Higher grade optional)
Working Voltage	20V~29.2V	Max. Parallel Connection	16
Net Weight	40kg (88.2 lb)	Design Life	10 years
Dimension (L*W*H)	715*220*302 mm (28.1*8.6*11.9 inch)	Warranty	5 years
Color	White / Black	Optional Functions	Bluetooth / WiFi / LCD / Circuit breaker
Monitoring & Protection	Built-in smart BMS	Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/Solis/SAJ /Growatt/SRNE/Voltronic/Deye/etc.

REDWAY



Universal LiFePO4 Battery Series



Golf Cart / LSV



Electric Motorcycle



Electric Scooter



AGV / AMR / Forklift



Electric Scooter



RV



Marines Boat



24V50Ah Group 24



24V100Ah



24V200Ah



36V100Ah



48V50Ah



48V200Ah



12V50Ah



12V100Ah Group 24



12V150Ah Group 31



48V100Ah Golf Carts



60V100Ah AGV



60V200Ah



12V184Ah



12V200Ah



12V300Ah 8D



72V50Ah



72V100Ah Golf Carts



80V400Ah

REDWAY



eBike Lithium Battery Series



Inner



Inner



Inner



Down Tube



Down Tube



Down Tube



Middle Tube



Carrier Type



Soft Pack

E-Bike Lithium Battery

Inner, Down Tube, Middle Tube, Frog, Carrier Type, Soft Pack and Other Types

24V / 36V / 48V / 52V / 60V / 72V / 80V



High Energy Density and Lightweight



Long Life Span



Fast Charging Capability



Weather and Shock Resistance



Enhanced Safety Features



Customizable Mounting Options



Heated Battery Series



Heated Socks Battery



Heated Socks Battery



Heated Vest Battery



Heated Jacket Battery



Heated Hat Battery



Heated Gloves Battery



Heated Blanket Battery



Heated Shoe Battery



Heated Seat Battery

Heated Apparel Battery



Heated Jacket



Heated Vest



Heated Baselayer



Heated Shirt



Heated Gloves



Heated Mitten



Heated Knee Wrap



Heated Motorcycle Gear



Heated Pants



Heated Hat



Heated Scarf



Heated Bicycle Seat



Heated Seat Cushion



Heated Sleeping Bag



Heated Socks



Heated Slippers



Heated Insoles



Heated Shoes



Heated Pad



Heated Blanket



Heated Shoulder

Battery

Cell Type	Customize
Nominal Energy	500, 1000, 1500, 2000, 2200, 2500, 3000, 3600, 4000, 4400, 5000, 5300, 6000, 8000, 10000, 20000 mAh
Optional Functions	Bluetooth / Magnetic / Charger / APP
Cycle Life	>500 times
Radian	

REDWAY



Mining Car Battery Series

Liquid Cooled



Independent Fire Function



Long Cycles



Ultra-High Level Water & Dust Proof Design



High Product Quality Control



Safety Certified and Reliable

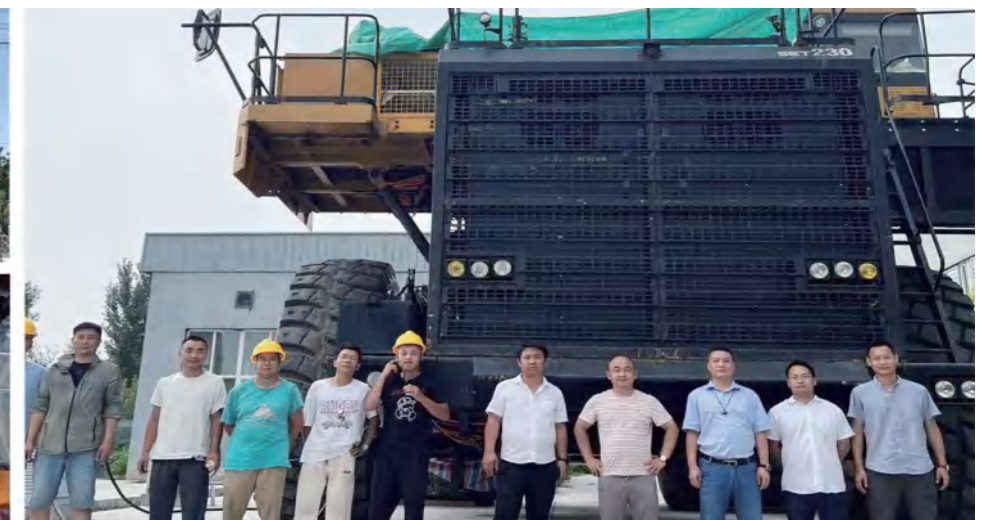


-20°C Discharge Rate 80%

Mining Car LiFePO4 Battery



Model	Standard-C Liquid Cooled Battery	220T Gas Tank Location Battery	Liquid Cooled Battery
Battery Types	LiFePO4	LiFePO4	LiFePO4
Series/Parallel	48S1P	288S2P	32S2P
Nominal Voltage	153.6V	921.6V	102.4V
Nominal Capacity	215Ah	215Ah*2	412Ah
Nominal Energy	33kWh	396.3kWh	44kWh
Dimension (L*W*H)	1060*630*240 mm (41.7*24.8*9.4 in)	Customized	Customized
Weight	215±6.5kg	3320±100kg	265±8kg
Working Voltage	120V-175.2V	777.6V-1036.8V	80V-116.8V
Max. Discharge	215A	215A*2	215A
Max. Charging	215A	215A*2	215A
Recommend SOC	5%-95%	5%-95%	5%-95%
Cooling	Liquid-cooled	Liquid-cooled	Liquid-cooled
Ingress Protection	IP67	IP67	IP65
Cycle Life	6000 cycles @25°C (1C/1C)	6000 cycles @25°C (1C/1C)	6000 cycles @25°C (1C/1C)
Working Temperature	Charging: -20°C-55°C Discharge: -20°C-60°C	Charging: -20°C-55°C Discharge: -20°C-60°C	Charging: -20°C-55°C Discharge: -20°C-60°C





JOINSUN Lithium-ion Battery Cell

Cylindrical & Prismatic cells



High Energy Density



Long Cycle Life



Fast Charge and Discharge Rates



Consistent Performance



Enhanced Safety Features



Versatile Applications

Battery Cell Series



21700-25M



21700-30M



21700-33MF



21700-40E



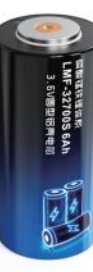
21700-45E



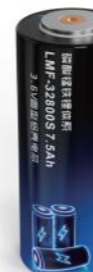
21700-40P



21700-45D



32700S-6A



32800S-7.5Ah



3.6V50Ah



3.6V100Ah



3.6V160Ah



3.6V230Ah



3.6V304Ah

REDWAY



Production Lines and Workshops

Since 2012 / 300+ Technicians / 100+ Countries Served



High Productivity



5 Factories



EV Grade Deep Cycle Battery Cells



Advanced Manufacturing Equipment



Complete Export Services



Factory's Low Price

Factories & Production Lines



Production Line



Production Line



Production Line



Charge/Discharge Test



Thermal Test



Finished Product Aging Test



Production Line



Production Line



Production Line



Factory Open Day



Factory Open Day



Factory Open Day