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



Production Plant
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Production Plant
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Production Plant
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Dongguan Techoss Electronic Technology Company Limited
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FORKLIFT LITHIUM BATTERIES

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ABOUT

Redway Power specializes in battery pack production, OEM/ODM services, and the research, design, sales, production, and technical support of electronic products. We provide high-quality one-stop services for lithium battery packs, with products widely used in two-wheeled/three-wheeled electric vehicles, e-bikes, home and telecom base station backup power, medical equipment, and customized lithium battery packs for various applications.

We have 3 battery pack production bases and 1 lithium-ion cell production base, equipped with advanced production equipment and technology. Supported by a team of over 40 R&D experts and more than 10 industry specialists, and with over 500 professional manufacturing personnel, we have delivered over one million lithium battery modules to date.

Redway Power's products have reached multiple countries and regions worldwide. We provide high-quality products and services to our global customers. Our international customer service team focuses on meeting the diverse needs of clients from various locations, offering customized solutions to ensure that customers, no matter where they are, can enjoy Redway Power's professional services and support. Through in-depth collaboration with industry giants such as JOINSUN, CRMICRO, and SAIL, we jointly drive technological innovation and optimize the supply chain.

As an ISO 9001 certified company, Redway Power is committed not only to producing high-quality products but also to setting high standards in product reliability, environmental standards, and customer customization services. Our business spans the globe, focusing on bringing "Made in China" innovation to the world.

 2012
Founded

 5GWh
Production Capacity / Year

 100+
Countries & Regions

 200,000+
Served Families

 40+
R&D Engineers

 500+
Technicians

 4
Production Base

 100,000 ft²
Production Base Area



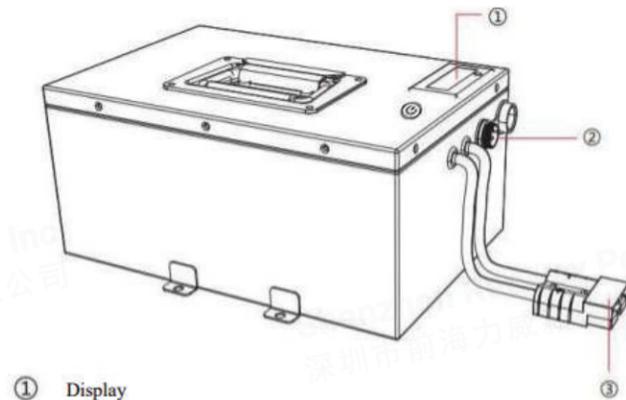
24V 50AH

Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Detail



Power-on displays the battery symbol + voltage value. Use the function key to switch to display the battery symbol + power percentage (see the left figure) and then press the power off voltage / power percentage / off 3 gear manual cycle switch.

- ① Display
- ② Air head interface
1-2: Switch
3: RS485-A
4: RS485-B
- ③ Anderson Connector

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	25.6V
Rated Capacity	50Ah
Rated Energy	1.28kWh
Peak Charge Voltage	29.4V
Max Discharge Cut-off Voltage	20V
Max Charge Current	40A (Continuous)
Max Discharge Current	50A (Continuous)
Peak Discharge Current	100A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	250 x 165 x 118.7 mm 9.84 x 6.50 x 4.67 inches
Weight	8.5kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -5°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

24V 160AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Pallet Jack



Electric Pallet Stackers



Electric Forklift

SPECS

Basic Electronic	
Battery Cell Type	LiFePO4
Rated Voltage	25.6V
Rated Capacity	160Ah
Rated Energy	4.09kWh
Peak Charge Voltage	29.2V
Max Discharge Cut-off Voltage	20V
Max Charge Current	160A (Continuous)
Max Discharge Current	160A (Continuous)
Peak Discharge Current	480A (30s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	623 x 209 x 626 mm 24.5 x 8.2 x 24.6 inches
Weight	90kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

24V 200AH

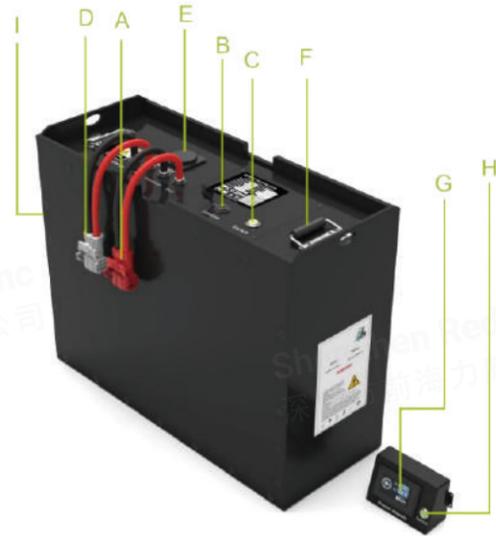
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Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection



Battery Detail



Display screen
118 x 70 x 50 mm (4.65 x 2.76 x 1.97 inches)
1kg

- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	25.6V
Rated Capacity	200Ah
Rated Energy	5.12kWh
Peak Charge Voltage	29.6V
Max Discharge Cut-off Voltage	20V
Max Charge Current	100A (Continuous)
Max Discharge Current	200A (Continuous)
Peak Discharge Current	400A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	520 x 207 x 400mm 20.47 x 8.15 x 15.75 inches
Weight	170kg

More

IP Rating	IP40
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

24V 560AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Pallet Stacker

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	25.6V
Rated Capacity	560Ah
Rated Energy	14.33kWh
Peak Charge Voltage	29.2V
Max Discharge Cut-off Voltage	20V
Max Charge Current	350A (Continuous)
Max Discharge Current	350A (Continuous)
Peak Discharge Current	500A (30s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

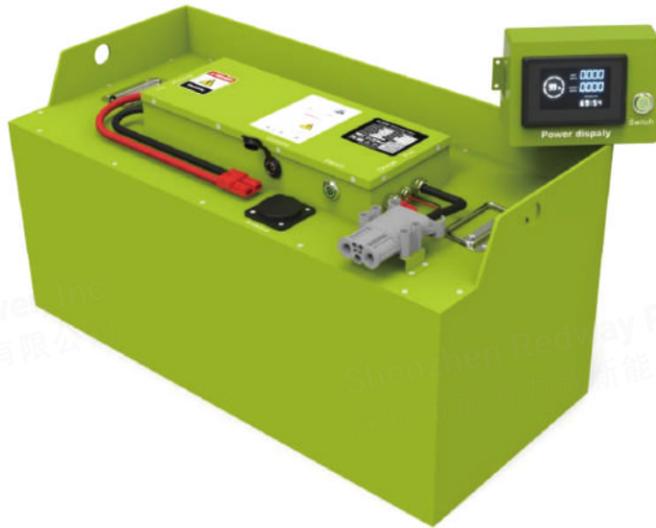
Structure

Dimensions (L x W x H)	778 x 324 x 570 mm 30.6 x 12.7 x 22.4 inches
Weight	385kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

36V 240AH

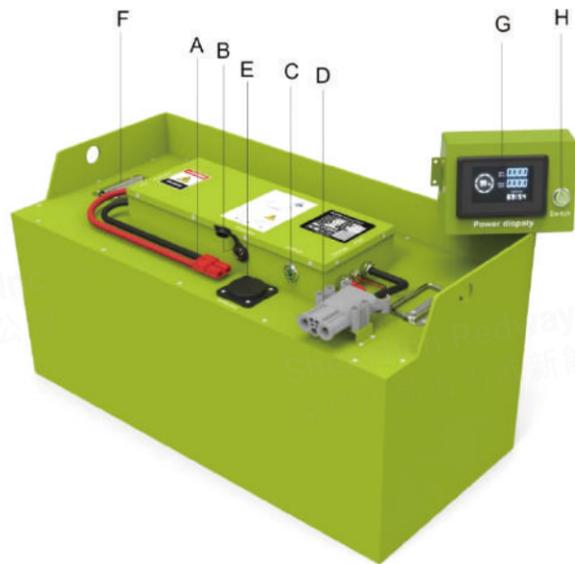


Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Detail



- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	38.4V
Rated Capacity	240Ah
Rated Energy	9.216kWh
Peak Charge Voltage	43.8V
Max Discharge Cut-off Voltage	30V
Max Charge Current	120A (Continuous)
Max Discharge Current	240A (Continuous)
Peak Discharge Current	720A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	870 x 400 x 430 mm 34.25 x 15.75 x 16.93 inches
Weight	250kg

More

IP Rating	IP40
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

36V 690AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Pallet Stacker

SPECS

Basic Electronic	
Battery Cell Type	LiFePO4
Rated Voltage	38.4V
Rated Capacity	690Ah
Rated Energy	26.5kWh
Peak Charge Voltage	43.8V
Max Discharge Cut-off Voltage	30V
Max Charge Current	320A (Continuous)
Max Discharge Current	320A (Continuous)
Peak Discharge Current	480A (5s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	967 x 515 x 779 mm 38.1 x 20.3 x 30.6 inches
Weight	330kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 210AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Pallet Stacker

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	210Ah
Rated Energy	10.75kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	210A (Continuous)
Max Discharge Current	210A (Continuous)
Peak Discharge Current	420A (30s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	949 x 374 x 550 mm
	37.3 x 14.7 x 21.6 inches
Weight	200kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 304AH

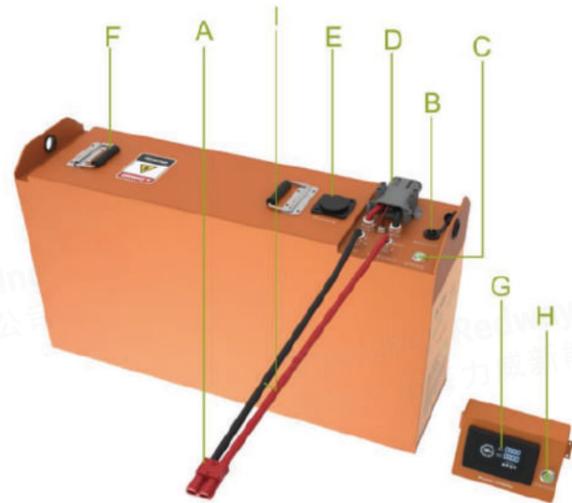
Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection



Battery Detail



- A. (Discharge port) Anderson
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. (Charging port) REMA
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	304Ah
Rated Energy	15.56kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	150A (Continuous)
Max Discharge Current	304A (Continuous)
Peak Discharge Current	608A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	940 x 260 x 520 mm 37 x 10.24 x 20.47 inches inches
Weight	164kg

More

IP Rating	IP40
Charge Temperature	-10°C~65°C
Discharge Temperature	-35°C~65°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 420AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Pallet Stacker

SPECS

Basic Electronic	
Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	420Ah
Rated Energy	21.5kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	350A (Continuous)
Max Discharge Current	350A (Continuous)
Peak Discharge Current	500A (30s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

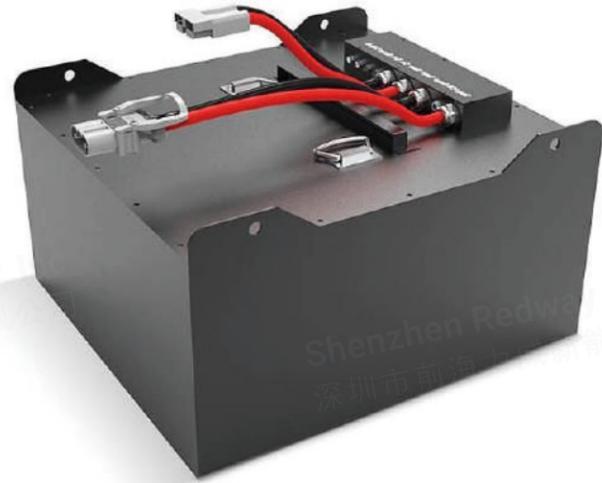
Structure

Dimensions (L x W x H)	949 x 349 x 569 mm 37.3 x 13.7 x 22.4 inches
Weight	300kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 456AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Forklift

SPECS

Basic Electronic	
Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	456Ah
Rated Energy	23.34kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	200A (Continuous)
Max Discharge Current	200A (Continuous)
Peak Discharge Current	1300A (30s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	815 x 740 x 450 mm 32.1 x 29.1 x 17.7 inches
Weight	750kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 460AH

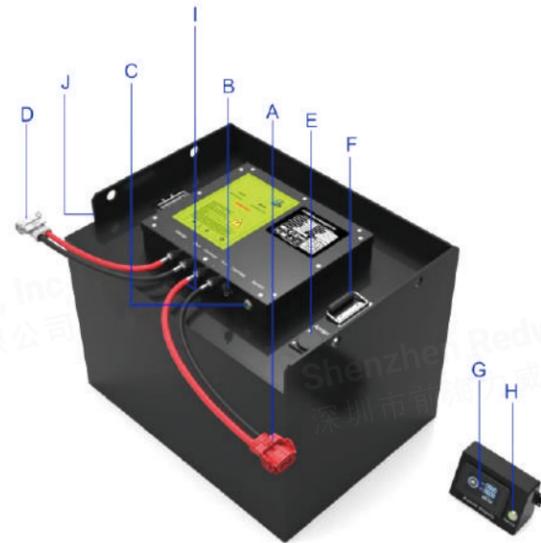


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Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Detail



- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	460Ah
Rated Energy	23.55kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	200A (Continuous)
Max Discharge Current	460A (Continuous)
Peak Discharge Current	920A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	830 x 630 x 590 mm 32.7 x 24.8 x 23.2 inches
Weight	340kg

More

IP Rating	IP40
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 460AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Feautres

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Detail



- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	460Ah
Rated Energy	23.55kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	200A (Continuous)
Max Discharge Current	460A (Continuous)
Peak Discharge Current	920A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	830 x 630 x 590 mm 32.7 x 24.8 x 23.2 inches
Weight	340kg

More

IP Rating	IP40
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 460AH

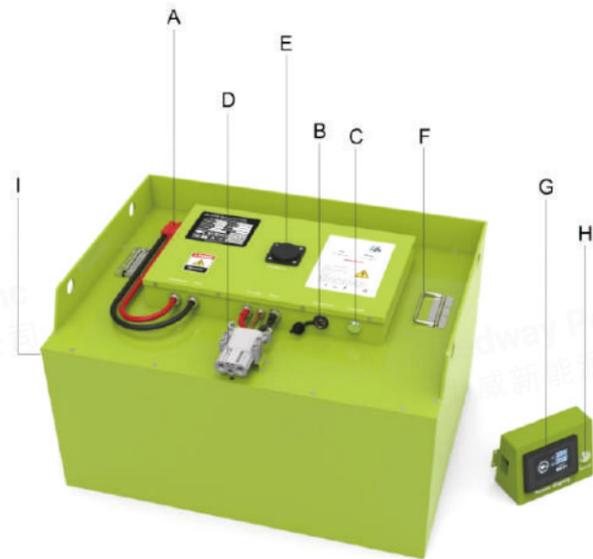
Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection



Battery Detail



- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	460Ah
Rated Energy	23.55kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	230A (Continuous)
Max Discharge Current	460A (Continuous)
Peak Discharge Current	920A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	820 x 600 x 470 mm 32.28 x 23.62 x 18.50 inches
Weight	600kg

More

IP Rating	IP40
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 500AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Forklift

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	48V
Rated Capacity	500Ah
Rated Energy	24kWh
Peak Charge Voltage	54.75V
Max Discharge Cut-off Voltage	37.5V
Max Charge Current	300A (Continuous)
Max Discharge Current	300A (Continuous)
Peak Discharge Current	900A (5s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	645 x 196 x 573 mm
	25.4 x 7.7 x 22.5 inches
Weight	260kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

48V 560AH

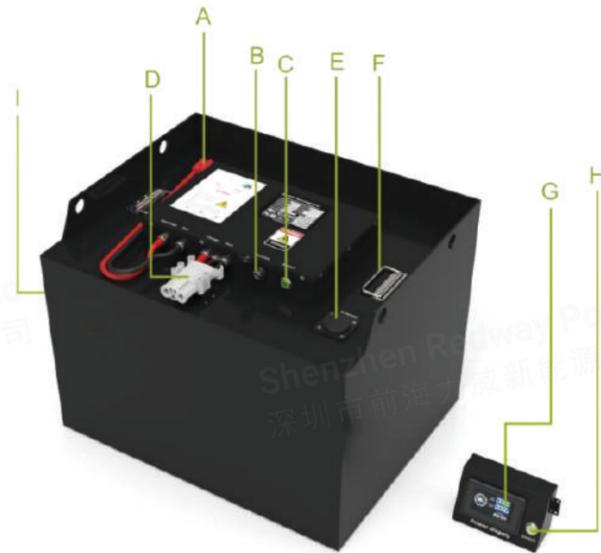
Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection



Battery Detail



Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

- A. Discharge port
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. Charging port
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	560Ah
Rated Energy	28.67kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	250A (Continuous)
Max Discharge Current	560A (Continuous)
Peak Discharge Current	1120A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	810 x 630 x 600 mm 31.9 x 24.8 x 23.6 inches
Weight	352kg

More

IP Rating	IP40
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

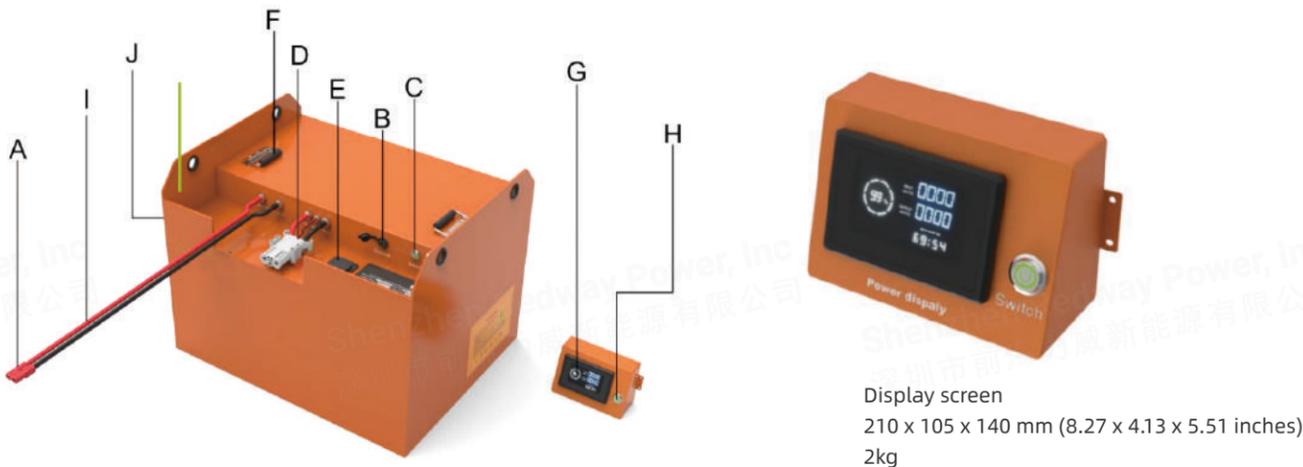
48V 608AH

Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Detail



- A. (Discharge port) Anderson
- B. Aviation Connector
- C. (Switch) ON / OFF
- D. (Charging port) REMA
- E. GPS antenna
- F. Cover handle
- G. LCD display screen
- H. Display screen switch
- I. Discharge Port Cable (1.2m)
- J. Cover

Display screen
210 x 105 x 140 mm (8.27 x 4.13 x 5.51 inches)
2kg

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	51.2V
Rated Capacity	608Ah
Rated Energy	31.13kWh
Peak Charge Voltage	58.4V
Max Discharge Cut-off Voltage	40V
Max Charge Current	304A (Continuous)
Max Discharge Current	608A (Continuous)
Peak Discharge Current	1216A (3s)
Cycle Life	>4000 Cycles (80% DOD)
Internal Resistance	≤30mΩ

Structure

Dimensions (L x W x H)	800 x 630 x 600 mm 31.5 x 24.8 x 23.6 inches
Weight	352kg

More

IP Rating	IP40
Charge Temperature	0°C~60°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

72V 300AH



Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Pallet Jack



Electric Pallet Stacker



Electric Forklift

SPECS

Basic Electronic

Battery Cell Type	LiFePO4
Rated Voltage	72V
Rated Capacity	300Ah
Rated Energy	23kWh
Peak Charge Voltage	87.6V
Max Discharge Cut-off Voltage	60V
Max Charge Current	150A (Continuous)
Max Discharge Current	150A (Continuous)
Peak Discharge Current	300A (5s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	800 x 550 x 400 mm 31.5 x 21.6 x 15.7 inches
Weight	245kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

80V 420AH

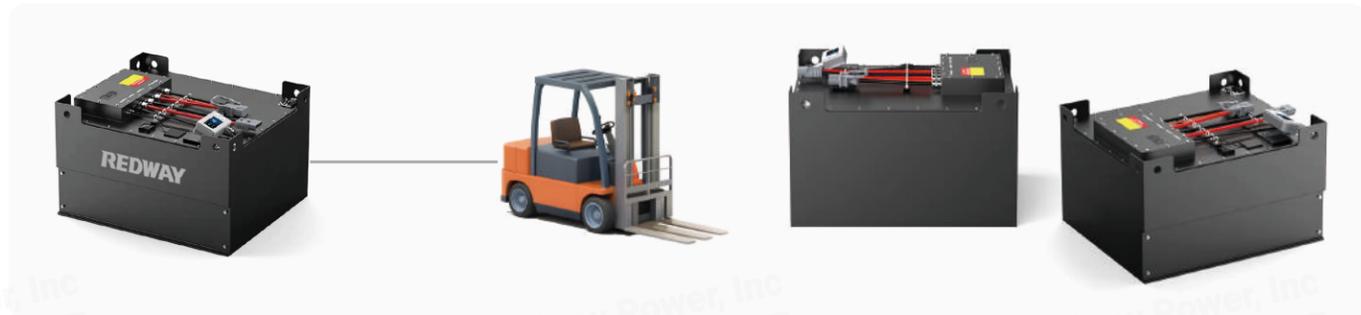


Redway Power's forklift lithium batteries are known for their efficiency, durability, and safety. They use lithium iron phosphate (LiFePO4) technology, which offers excellent energy density and a long lifespan. Compared to traditional lead-acid batteries, Redway Power's lithium batteries charge faster, have a longer cycle life, require less maintenance, and do not need frequent replacements. They also perform well in high and low temperatures, making them suitable for various industrial environments.

Features

- Grade-A Lithium Cells
- Long Lifespan
- High Vibration and Shock Resistance
- Advanced BMS Safety Protection

Battery Applications



Electric Forklift



Electric Forklift



Electric Forklift

SPECS

Basic Electronic	
Battery Cell Type	LiFePO4
Rated Voltage	80V
Rated Capacity	420Ah
Rated Energy	33.6kWh
Peak Charge Voltage	91.25V
Max Discharge Cut-off Voltage	62.5V
Max Charge Current	320A (Continuous)
Max Discharge Current	320A (Continuous)
Peak Discharge Current	450A (5s)
Cycle Life	>6000 Cycles (80% DOD)
Internal Resistance	≤20mΩ

Structure

Dimensions (L x W x H)	938 x 798 x 778 mm 36.9 x 31.4 x 30.6 inches
Weight	410kg

More

IP Rating	IP65
Charge Temperature	0°C~55°C
Discharge Temperature	-20°C~60°C
Storage Temperature	1 month: -20°C~45°C 1 Year: 0°C~35°C
Swelling Force at EOL	≤30000 N (80% SOH)
Charger	Optional
Communication	RS485 / CAN / 4G
Optional Upgrades	Self-heating / Bluetooth / APP / PC Software / WiFi / RS232 / GPS / TACP / LCD Display / Active Balance / Anti-theft / Fans Cooling / Circuit Breaker / etc.
BMS Protection	Smart BMS: Short Circuit / Overcurrent / Overvoltage / Overdischarge / Overcharge / Overheating / Low Temperature / Low Voltage / Cells Automatic Balance

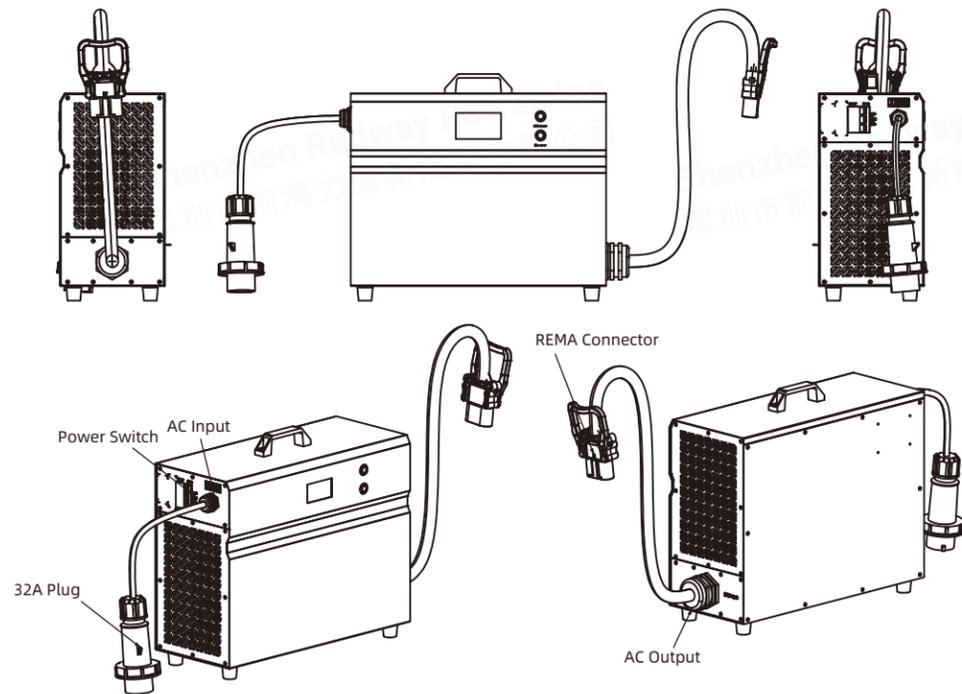
THREE-PHASE FOUR-WIRE INDUSTRIAL BATTERY INTEGRATED HIGH-FREQUENCY INTELLIGENT CHARGER



The three-phase four-wire industrial battery integrated high-frequency intelligent charger series is composed of discrete power devices, which are suitable for charging various electric energy storage media such as lead-acid batteries, power-type lithium batteries, and super capacitors. This series of chargers are sturdy and durable, with strong impact resistance. The structure adopts air duct isolation design, and the protection level of electronic devices is high, which effectively guarantees the safety and stability of the product.

Features

-  EFF>95%
-  Global Certification
-  ZVS+MOSFET
-  Current Accuracy $\pm 0.5\%$
-  Air Duct Isolation
-  LED Screen
-  RS485 / CAN
-  Lightweight

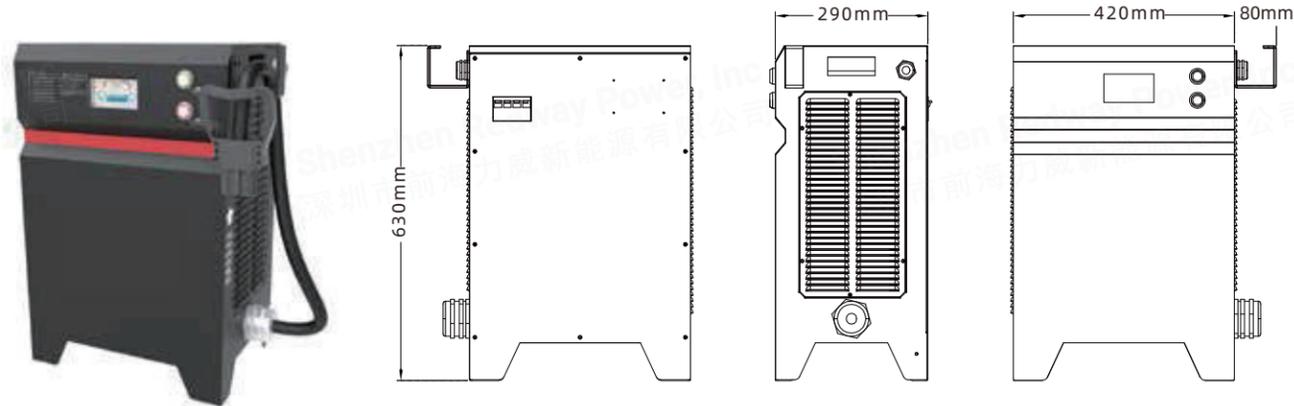


SPECS

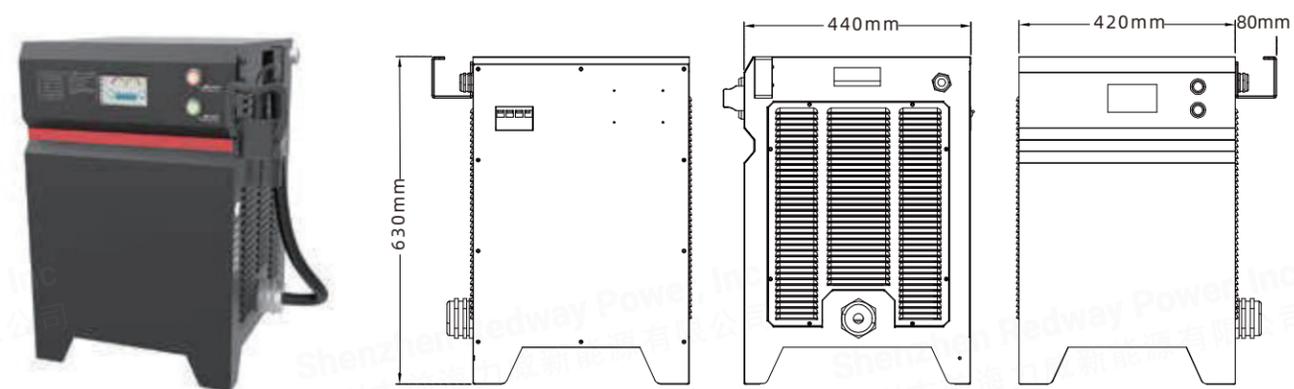
型号 Model	ADY6807	ADY6808	ADY6809	ADY6811	ADY6811	ADY6812	ADY6812	ADY6813
输出电压 Output Voltage	24V	48V	80V	48V	80V	48V	80V	48V
输出电流 Output Current	200A	100A	60A	150A	100A	200A	100A	200A
输出功率 Output Power	6KW	6KW	6KW	9KW	9KW	12KW	9KW	12KW
型号 Model	ADY6814	ADY6815	ADY6816	ADY6817	ADY6818	ADY6822	ADY6847	
输出电压 Output Voltage	80V	80V	80V	48V	80V	80V	48/80V	
输出电流 Output Current	120A	130A	150A	300A	200A	300A	300A 双枪	
输出功率 Output Power	12KW	12KW	12KW	12KW	16KW	24KW	12/24KW	
输入电流 Input Current	30A							
额定输出电流 Rated Output Current	220A							
输入电压 Input voltage	380Vac $\pm 10\%$							
频率范围 Frequency Range	47-63Hz							
转换效率 Efficiency	$\geq 95\%$							
负载调整率 Load regulation rate	$\pm 0.5\%$ from 10% to 100% load							
电流精度 Current Precision	$\pm 1\% + 0.5\% FS$							
电压精度 Voltage Precision	$\pm 0.5\% + 0.2\% FS$							
纹波电压 Ripple Voltage	$\leq 1\% V_o$ 峰值, 20MHz bandwidth,							
时间精度 Time Precision	$\leq \pm 10S / 24h$							
充电精度 Charging Precision	电压/0.01V 电流/0.1A Time/1S							
BMS供电 BMS Power Supply	DC 12V/24V 3Amax(BMS供电)							
保护功能 Protection Function	OTP过温、OVP过压、OCP过流、Short短路、反接							
连接器 Connector	安德森/国标充电枪/REMA/客户定制 Anderson Connector/National Standard Charging Gun/REMA/Custom							
通讯方式 Communication Method	RS485、RS232、CAN Bus可选							
无故障间隔时间 MTBF	80000H							
安全规范 Safety	符合CE, IEC62477标准设计							
显示 Display	LED/LCD/触摸屏							
散热方式 Cooling	风扇主动冷却							
工作/储存温湿度 Working/Storage Temperature And Humidity	工作: $-20^{\circ}C$ 至 $65^{\circ}C$, $>40^{\circ}C$ 时降低功率, 20-90%RH无冷凝。 储存: $-40^{\circ}C$ 至 $85^{\circ}C$, 10-95%RH无冷凝							

THREE-PHASE FIVE-WIRE INDUSTRIAL BATTERY CLASSIC HIGH-FREQUENCY INTELLIGENT CHARGER

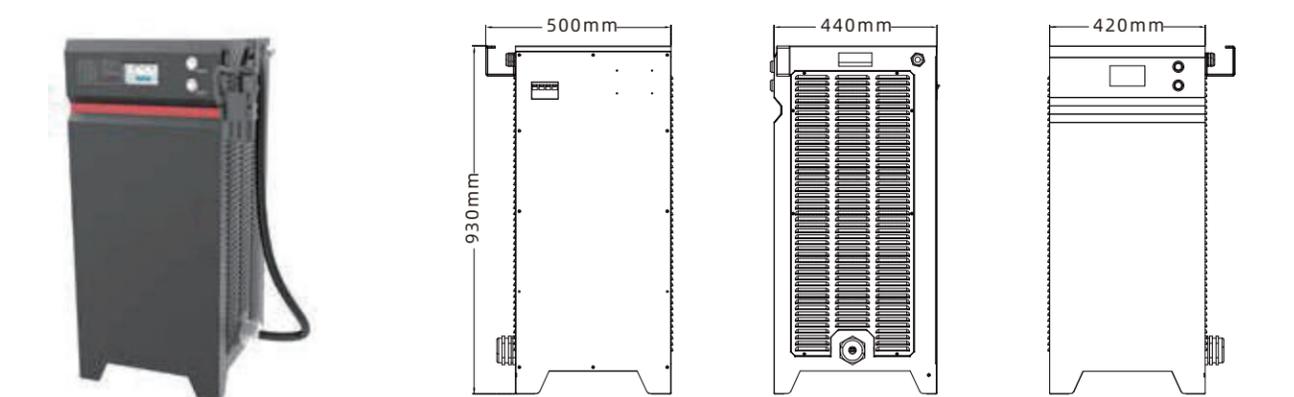
6-9kW 结构尺寸 6-9kW structure size



12-18kW 结构尺寸 6-9kW structure size



21-30kW 结构尺寸 21-30kW structure size



SPECS

输出电压 Output voltage	输出功率 Output Power	6kW	9kW	12kW	15kW	18kW	21kW	24kW	27kW	30kW
24Vdc (18-30Vdc)	型号 Model	ADY6107	ADY6110	ADY6124	ADY6125	ADY6126	ADY6127	ADY6129	ADY6131	ADY6133
	输出电流 Output current	200A	300A	400A	500A	600A	700A	800A	900A	1000A
48Vdc (30-60Vdc)	型号 Model	ADY6108	ADY6111	ADY6113	ADY6115	ADY6117	ADY6128	ADY6130	ADY6132	ADY6134
	输出电流 Output current	100A	150A	200A	250A	300A	350A	400A	450A	500A
80Vdc (40-100Vdc)	型号 Model	ADY6109	ADY6112	ADY6114	ADY6116	ADY6118	ADY6119	ADY6120	ADY6121	ADY6122
	输出电流 Output current	60A	90A	120A	150A	200A	210A	240A	270A	300A
120Vdc (60-132Vdc)	型号 Model	ADY6123	ADY6136	ADY6137	ADY6138	ADY6139	ADY6140	ADY6141	ADY6142	ADY6143
	输出电流 Output current	50A	75A	100A	125A	150A	175A	200A	225A	250A
模组数量 Number of modules		2	3	4	5	6	7	8	9	10
额定输入电流 (三相总电流) Rated input current (three-phase total current)		30A	45A	60A	75A	90A	105A	120A	135A	150A
额定输入电压 Rated input voltage	110/208Vac(降额应用), 220/380Vac									
输入电压范围 Input voltage range	110/208 (±20%) Vac(降额应用), 220/380 (±20%) Vac									
输入频率范围 Input frequency range	47-63Hz									
转换效率 Conversion efficiency	≥93%(max)									
功率因数 Power factor	≥0.99 @full load									
THDI	≤5%@≥50%load									
负载调整率 Load regulation	±0.5%@10%-100% load									
电压精度 Voltage accuracy	±0.5%+0.2%FS									
电流精度 Current accuracy	±1%+0.5%FS									
时间精度 Time accuracy	≤±10s/24h									
BMS充电 BMS charging	DC 12V/24V 3Amax(选配)									
保护功能 Protective function	OVP过压、OCP过流、OPP过功率、OTP过温、UVP欠压、SCP短路、RCP反接									
连接器类型 Connector type	安德森/国标充电枪/REMA/客户定制 Anderson Connector/National Standard Charging Gun/REMA/Custom									
通讯方式 Communication method	RS485、RS232、CAN、Wifi (选配)									
平均无故障间隔时间 MTBF	100000H									
散热方式 Cooling method	风扇主动散热									
工作/储存温湿度 Work/store temperature and humidity	工作: -20°C至65°C, >40°C时降低功率, 20-90%RH无冷凝。储存: -40°C至85°C, 10-95%RH无冷凝									
结构尺寸 Structure size	420mm*290mm*630mm			420mm*440mm*630mm			420mm*440mm*930mm			