

EAST Inter Li Lithium Battery System Specialist

**Outstanding listed company
in digital energy products
and wind/solar energy storage
and charging solutions**

<https://en.eastups.com/>



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Five Advantages of EAST Lithium Battery

Wireless Transmission Technology

- User can know the battery operation status at any time, view the detailed information of the battery through the background software: total voltage, total current, SOC, SOH, cell voltage temperature, etc., and provide real-time information and history data to view, effectively lower maintenance costs.

Low Power-consumption Technology

- Battery power consumption is low in the standby mode, self-developed BMS intelligent control technology, standby power consumption lower than 0.5W, thus improving the battery energy utilization and solving the serious power consumption problem during battery product delivery and storage.

Charge Management Technology

- Lead-acid batteries can be float-charged for a long time, but lithium batteries long-term high-voltage float charging will be under saturation charging for a long time, which will lead to serious loss of life, independent research and development of intelligent charging management technology, adopt intelligent intermittent charging strategy technology, to avoid lithium batteries are in the high-voltage float charging, to better ensure that the service life of the battery system power reserve capacity.

High Precision Inspection

- High-precision voltage, current, temperature detection, and multi-point temperature design, ensure that the battery will not be overcharged and high-current damage to the battery cell, as well as to ensure the safe use of the battery within the set temperature range.

Distributed SOC Estimation

- Distributed SOC estimation is used for each battery to carry out in-depth energy management for each battery, effectively improving the battery system life.

High-end Advanced Equipment and Production Line



Full-automatic solder paste printing machine



Online 3D SPI solder paste detection system



Rotary multi-head high-speed high-precision full automatic SMT machine

Product Core Advantages

Excellent Technology Innovation

- Using advanced CAE simulation and analysis platform, complete the whole-life simulation analysis of the battery system on different occasions, to guide the design and optimization of the battery thermal management system, so that the battery system has a high heat transfer efficiency, good reliability, strong temperature control capability, etc., which can improve the battery system overall performance of the battery pack in the working state, and at the same time, foreknowledge in advance of some of the safety risks, and do a good job of the relevant countermeasures during the design to avoid the occurrence of battery system safety accidents.

Strong Technical Team

- The company has a post-doctoral, doctoral, master's and bachelor's degree R&D team specialized in power electronics and batteries, independently developing large-scale energy storage systems and battery PACK systems, home energy storage systems, 5G+ battery backup systems, and UPS battery backup systems for various industries, and all series of battery systems have the advantages of high safety, high reliability, high portability, and long service life.

Focused on Energy Storage Industry

- The company focuses on the research and development, production and service of new energy storage systems, and is committed to becoming a global leader in total solutions for energy storage systems.

High-end Advanced Equipment and Production Line



Multi-temperature zone hot reflow soldering and AOI automated optical inspection system



Online lithium cell multi-grade sorting test system



Fully automatic cell stack assembly and optical positioning welding system



Robot optical positioning laser welding battery core&BMS system



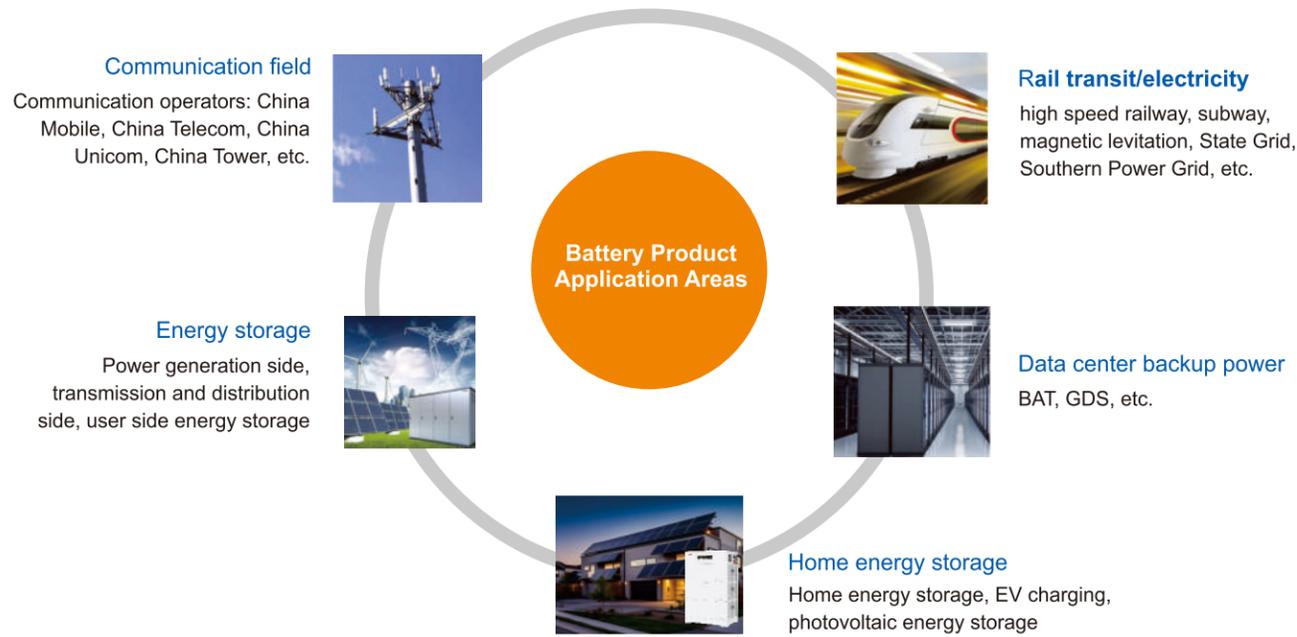
Intelligent automatic production line



International most advanced SMT production line

Product Application Areas

Battery Product Application Areas



Battery Industry Product Line



PRODUCT SERIES

Low Voltage Lithium-ion Battery System

ECB series communication base station lithium-ion products are high-tech products for 5G era, which are developed by a team of experts in structural design, BMS hardware and software development, simulation test, and intelligent manufacturing. This series of products with its integration, lightweight, intelligent centralized monitoring, battery maintenance and management, unattended, energy-saving and environmentally friendly, excellent electrical performance, hardware and software protection, etc., can be adapted to different environments, and can provide safe and reliable uninterruptible power supply for a variety of loads.

ECB48104R15S1P system, support the same model machines to parallel, up to 6 groups.

Product Features

- Standard chassis design
- High-safety lithium iron battery system
- Long life design, battery pack cycle life up to 3000 times
- Output short-circuit protection function
- Overload, under-voltage, over-temperature protection function
- Supports charge activation, wake-up activation
- Supports charge equalization and charge current limiting
- Supports 485 communication, supports data upload to cloud system



| Model | ECB4850R15S1P | ECB48102R15S1P | ECB48104R15S1P | ECB51.254R16S2P |
|--------------------------------------|---|---|---|---|
| Rated capacity/Ah | 50 | 102 | 104 | 54 |
| Rated voltage/V | 48 | 48 | 48 | 51.2 |
| Operating voltage range/V | 39~54.75 | 39~54.75 | 39~54.75 | 186~240VDC/7.5kW |
| Standard charge current/A | 25 | 51 | 52 | 27 |
| Max. charge current/A | 50 | 102 | 104 | 54 |
| Standard discharge current/A | 50 | 102 | 104 | 54 |
| Max. discharge current/A | 50 | 102 | 104 | 216 |
| String number of standard box/S | 15 | 15 | 15 | 16 |
| Number of standard box/pc | 1 | 1 | 1 | 1 |
| Standard box dimension (W×D×H)(mm) | 440×400×130 | 440×602×131 | 440×545×133 | 440×173×500 |
| Weight (without cabinet)/kg | 41 | 45 | 48 | 36 |
| Operating temperature/°C (discharge) | -20~60 | -20~60 | -20~60 | -20~60 |
| Cycle life/times | ≥2000 times, standard charge/discharge &100%DOD | ≥3000 times, standard charge/discharge &100%DOD | ≥3000 times, standard charge/discharge &100%DOD | ≥3000 times, standard charge/discharge &100%DOD |
| Communication | RS485 | RS485 | RS485 | RS485 |
| IP rating | IP20 | IP20 | IP20 | IP20 |
| Battery type | LFP | LFP | LFP | LFP |

Backup High-voltage Lithium-ion Battery

EUB series is a lithium power backup system designed for EAST high voltage UPS, this series of products with its integration, lightweight, intelligent centralized monitoring, battery maintenance and management, unattended, energy saving and environmental protection, excellent electrical performance, hardware and software protection, can be adapted to different environments, and can provide safe and reliable uninterruptible backup power supply support for a variety of loads.

EUB series batteries are mainly matched with EAST high-voltage lithium products of UPS and modular power supply, the voltage level are 192V, 204V, 358V, 512V, 538V, 614V, 628V, capacity level are 54Ah, 314Ah, etc. Designing different capacities of the battery system can meet the requirements of most UPS's different power backup time.



EUB Battery Box

| Rated voltage/V | 89.6 | 51.2 |
|---|-------------|-------------|
| Battery serial/parallel connection mode | 2P28S | 1P16S |
| Operating voltage range/V | 72.8~102.2 | 41.6~58.4 |
| Rated capacity/Ah | 54 | 314 |
| Standard charge current/A | 27 | 157 |
| Max. charge current/A | 54 | 157 |
| Standard discharge current/A | 54 | 300 |
| Max. discharge current/A | 216 | 300 |
| Weight/kg | 55 | 114 |
| Dimension(W×D×H)(mm) | 446×645×171 | 440×770×222 |
| Operating temperature/°C (discharge) | -20~60 | -20~60 |
| Communication | CAN | CAN |
| IP rating | IP20 | IP20 |
| Battery type | LFP | LFP |

EUB High-voltage Box

| Voltage range | 0~800VDC(neutral line compatible) |
|---|-----------------------------------|
| Current(MAX)/A | 250A/300A(optional) |
| Weight/kg | 35 |
| Dimension(W×D×H)(mm) | 440×545×222 |
| Operating temperature/°C(discharge) | -20~60 |
| Auxiliary power supply, input voltage range/VAC | 85~264/100~240 |
| Auxiliary power supply, power/W | 100 |
| Storage humidity/%RH | ≤95 |
| Storage temperature/°C | -40~60 |
| Altitude/m | ≤2000 |
| IP rating | IP20 |
| Communication | RS485/CAN |



192V, 204.8V High-voltage UPS Lithium-ion Battery Series

| Model | EUB19250R60S1PX-3 | EUB204314R64S1P |
|--|--|--|
| Rated capacity/Ah | 50 | 314 |
| Rated voltage/V | 192 | 204.8 |
| Operating voltage range/V | 156~219 | 166.4~233.6 |
| Standard charge current/A | 25 | 157 |
| Max. charge current/A | 50 | 157 |
| Standard discharge current/A | 50 | 300 |
| Max. discharge current/A | 90 | 300 |
| String number of standard box/S | 30 | 16 |
| Number of standard box/pc | 2 | 4 |
| Standard box dimension (W×D×H)(mm) | 440×730×172 | 440×770×222 |
| High-voltage box dimension (W×D×H)(mm) | / | 440×545×222 |
| Weight(without cabinet)/kg | 90 | 475 |
| Operating temperature/°C (discharge) | -20~60 | -20~60 |
| Cycle life/times | ≥2000 times, standard charge/discharge&100%DOD | ≥6000 times, standard charge/discharge&100%DOD |
| Communication | RS485/CAN | RS485/CAN |
| IP rating | IP20 | IP20 |
| Battery type | LFP | LFP |

358.4V High-voltage UPS Lithium-ion Battery Series

| Model | EUB35854R112S2P | EUB358314R112S1P |
|--|--|--|
| Rated capacity/Ah | 54 | 314 |
| Rated voltage/V | 358.4 | |
| Operating voltage range/V | 291.2~408.8 | |
| Standard charge current/A | 27 | 157 |
| Max. charge current/A | 54 | 157 |
| Standard discharge current/A | 54 | 300 |
| Max. discharge current/A | 216 | 300 |
| String number of standard box/S | 28 | 16 |
| Number of standard box/pc | 4 | 7 |
| Standard box dimension (W×D×H)(mm) | 446×645×171 | 440×770×222 |
| High-voltage box dimension (W×D×H)(mm) | 440×545×222 | |
| Weight(without cabinet)/kg | 260 | 805 |
| Operating temperature/°C (discharge) | -20~60 | |
| Cycle life/times | ≥3000 times, standard charge/discharge&100%DOD | ≥6000 times, standard charge/discharge&100%DOD |
| Communication | RS485/CAN | |
| IP rating | IP20 | |
| Battery type | LFP | |

512(±256)V, 512V, 537.6V(±256)V, 537.6V High-voltage UPS Lithium Battery Series



| Model | EUB512314R160S1P | EUB53854R168S2P |
|--|--|--|
| Rated capacity/Ah | 314 | 54 |
| Rated voltage/V | 512(±256) with neutral wire/ 512 without neutral wire | 537.6(±256) with neutral wire/ 537.6 without neutral wire |
| Operating voltage range/V | 416~584 | 436.8~613.2 |
| Standard charge current/A | 157 | 27 |
| Max. charge current/A | 300 | 54 |
| Standard discharge current/A | 300 | 54 |
| Max. discharge current/A | 300 | 216 |
| String number of standard box/S | 16 | 28 |
| Number of standard box/pc | 10 | 6 |
| Standard box dimension (W×D×H)(mm) | 440×770×222 | 446×645×171 |
| High-voltage box dimension (W×D×H)(mm) | 440×545×222 | |
| Weight(without cabinet)/kg | 1135 | 370 |
| Operating temperature/°C (discharge) | -20~60 | |
| Cycle life/times | ≥6000 times, standard charge/discharge&100%DOD | ≥3000 times, standard charge/discharge&100%DOD |
| Communication | RS485/CAN | |
| IP rating | IP20 | |
| Battery type | LFP | |

Backup Semi-Solid State Lithium-ion Battery System

The solid-state lithium-ion battery system has broad application prospects in the backup power supply scenario, and the system uses semi-solid state battery cell. Due to its high energy density, excellent safety and fast charging, it has become an ideal choice for data centers, computer rooms, hospitals and other places. With the continuous progress of technology and the reduction of costs, the application of solid-state lithium-ion batteries in backup power supply scenarios will be more extensive, providing important support for achieving the goals of green energy and smart grid.



This solid-state series is a lithium-ion battery system designed for EAST high-voltage backup UPS. With its functions of integration, lightweight, intelligent centralized monitoring, battery maintenance and management, unattended, energy-saving and environmentally friendly, excellent electrical performance, and perfect hardware and software protection, it can adapt to different environments and can provide safe and reliable uninterrupted backup power supply for various loads. The EUB series batteries are mainly matched with the high-voltage lithium-ion battery products of EAST UPS and module power supply. The battery system voltage levels are 204V, 358V, 512V, and 614V; the capacity level is 280Ah, which can meet the requirements of most UPS for different standby times.

614.4V, 627.2V High-voltage UPS Lithium Battery Series



| Model | EUB614314R192S1P | EUB62754R196S2P |
|--|--|--|
| Rated capacity/Ah | 314 | 54 |
| Rated voltage/V | 614.4 | 627.2 |
| Operating voltage range/V | 499.2~700.8 | 509.6~715.4 |
| Standard charge current/A | 157 | 27 |
| Max. charge current/A | 157 | 54 |
| Standard discharge current/A | 300 | 54 |
| Max. discharge current/A | 300 | 216 |
| String number of standard box/S | 16 | 28 |
| Number of standard box/pc | 12 | 7 |
| Standard box dimension (W×D×H)(mm) | 440×770×222 | 446×645×171 |
| High-voltage box dimension (W×D×H)(mm) | 400×545×222 | 440×545×222 |
| Weight(without cabinet)/kg | 1355 | 425 |
| Operating temperature/°C (discharge) | -20~60 | |
| Cycle life/times | ≥6000 times, standard charge/discharge&100%DOD | ≥3000 times, standard charge/discharge&100%DOD |
| Communication | RS485/CAN | |
| IP rating | IP20 | |
| Battery type | LFP | |

EUB Battery Box

| | | |
|---|-------------|-----|
| Rated voltage/V | 51.2 | |
| Battery serial/parallel connection mode | 1P16S | |
| Operating voltage range/V | 41.6~58.4 | |
| Rated capacity/Ah | 280 | |
| Standard charge current/A | 140 | |
| Max. charge current/A | 140 | |
| Standard discharge current/A | 200 | 280 |
| Max. discharge current/A | 200 | 280 |
| Weight/kg | 110 | |
| Dimension(W×D×H)(mm) | 440×770×222 | |
| Operating temperature /°C (discharge) | -20~60 | |
| Communication | CAN | |
| IP rating | IP20 | |
| Battery type | LFP | |

EUB High-voltage Box

| | |
|---|-----------------------------------|
| Voltage range | 0-800VDC(neutral line compatible) |
| Current(MAX)/A | 250A/300A(optional) |
| Weight/kg | 25/35 |
| Dimension(W×D×H)(mm) | 440×545×222 |
| Operating temperature/°C (discharge) | -20~60 |
| Auxiliary power supply, input voltage range/VAC | 85~264 |
| Auxiliary power supply, power/W | 100 |
| Storage humidity/%RH | ≤95 |
| Storage temperature/°C | -40~60 |
| Altitude/m | ≤2000 |
| IP rating | IP20 |
| Communication | RS485/CAN |



Backup High Voltage Sodium-ion Battery

Backup sodium-ion battery is a backup sodium-ion battery system (superior low temperature performance) designed for EAST high-voltage UPS. This series of products is known for its integrated, lightweight, intelligent centralized monitoring, battery maintenance and management, unattended, energy-saving and environmental protection, excellent electrical performance, perfect hardware and software protection, etc., can adapt to different environments, and can provide safe and reliable uninterrupted backup power supply for various loads.

The EUB series batteries are mainly matched with the high-voltage sodium-ion battery products of EAST UPS and module power supply. The battery system voltage level is 501.6V-Na and the capacity level is 49Ah-Na, which can meet the requirements of most UPS for different backup times.



The application of sodium-ion battery systems in the UPS field is a new growth point for new technologies. The products are safe and adaptable to a variety of environments. It can discharge in full-scenario at a low temperature of -40°C~60°C. Promote UPS sodium-ion battery products based on the advantages of sodium-ion battery, it can be widely used in data centers, factories, public institutions such as schools, hospitals, etc.

Main Parameters of the System

| Model(Solid-state) | EUB204280R64S | EUB358280R112S | EUB512280R160S | EUB614280R192S |
|--|--|----------------|----------------|----------------|
| Rated capacity/Ah | 280 | | | |
| Rated voltage/V | 204.8 | 358.4 | 512(±256) | 614.4 |
| Operating voltage range/V | 166.4~233.6 | 291.2~408.8 | 416~584 | 499.2~700.8 |
| Standard charge current/A | 140 | | | |
| Max. charge current/A | 200 | 140 | | |
| Standard discharge current/A | 200 | 140 | | |
| Max. discharge current/A | 200 | 280 | | |
| String number of standard box/S | 16 | | | |
| Number of standard box/pc | 4 | 7 | 10 | 12 |
| Standard box dimension (W×D×H)(mm) | 440×770×222 | | | |
| High-voltage box dimension (W×D×H)(mm) | 440×545×222 | | | |
| Weight(without cabinet)/kg | 475 | 805 | 1135 | 1350 |
| Operating temperature/°C(discharge) | -20~60 | | | |
| Cycle life/times | ≥6000 times, standard charge/discharge&100%DOD | | | |
| Communication | RS485/CAN | | | |
| IP rating | IP20 | | | |
| Battery type | LFP | | | |

EUB Series Battery

| | |
|---|--------------------|
| Rated voltage/V | 62.7 |
| Battery serial/parallel connection mode | 1P22S |
| Operating voltage range/V | 44~79.2 |
| Rated capacity/Ah | 49 |
| Standard charge current/A | 49 |
| Max. charge current/A | 49 |
| Standard discharge current/A | 49 |
| Max. discharge current/A | 294 |
| Weight/kg | 55 |
| Dimension(W×D×H)(mm) | 441×750×129 |
| Operating temperature /°C (discharge) | -40~60 |
| Communication | CAN |
| IP rating | IP20 |
| Battery type | Sodium-ion battery |



Home Energy Storage Battery

Home energy storage systems offer high-quality new energy products that are simple to install, easy to operate, safe to use, and environmentally friendly, suitable for powering household appliances. They power household appliances, storing grid electricity in batteries during off-peak periods and then transferring it to the grid during peak periods. Their modular design allows multiple batteries to be connected in parallel to expand capacity, ensuring greater storage capacity for both household use and grid delivery.

Product types include rack-mounted, stacked, vertical, and wall-mounted series, compatible with mainstream inverters on the market. Voltage levels include 24V, 48V, and 750V. Basic battery system capacities include 100Ah, 200Ah, and 314Ah. Multiple parallel groups are supported.



Main Parameters of the System

| Model | ENB50149R176S1P |
|--|--|
| Rated capacity/Ah | 49 |
| Rated voltage/V | 501.6 |
| Operating voltage range/V | 352~633.6 |
| Standard charge current/A | 25 |
| Max. charge current/A | 49 |
| Standard discharge current/A | 49 |
| Max. discharge current/A | 294 |
| String number of standard box/S | 22 |
| Number of standard box/pc | 8 |
| Standard box dimension (W×D×H)(mm) | 441×750×129 |
| High-voltage box dimension (W×D×H)(mm) | 440×545×222 |
| Weight(without cabinet)/kg | 480 |
| Operating temperature/°C(discharge) | -40~60 |
| Cycle life/times | ≥5000 times, standard charge/discharge&100%DOD |
| Communication | RS485/CAN |
| IP rating | IP20 |
| Battery type | Sodium-ion battery |

Wall-mounted Lithium-ion Battery System

| Model | EHB24200Y8S2P | EHB48100Y16S1P |
|---------------------------|---|----------------|
| Cathode material | LiFePO4 | |
| Rated voltage/V | 25.6 | 51.2 |
| Rated capacity/Ah | 204 | 102 |
| Rated energy/kWh | 5.22 | 5.22 |
| Standard parallel unit/P | 1 | 1 |
| Output power/kW | 3 | 5 |
| Charge voltage/V | 29.2 | 58.4 |
| Operating voltage range/V | 20.8~29.2 | 41.6~58.4 |
| Max. charge current/A | 100 | 50 |
| Max. discharge current/A | 100 | 100 |
| Operating temperature/°C | Charge temperature/°C | 0~55 |
| | Discharge temperature/°C | -20~55 |
| Weight/kg | 45 | |
| Dimension(W×D×H)(mm) | 440×170×690 | |
| IP rating | IP54 | |
| Certification | UN38.3, CE-EMC | |
| Cooling method | Natural cooling | |
| Communication | CAN/RS485 | |
| Cycle life | ≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C | |
| Display configuration | ON/OFF button, LCD touchscreen | |

Home Energy Storage Battery



48V100AH Rack-mounted Lithium-ion Battery System

| Model | EHB48100R16S1P | EHB48100R16S2P | EHB48100R16S3P | EHB48100R16S4P |
|---------------------------|---|----------------|----------------|----------------|
| Cathode material | LiFePO4 | | | |
| Rated voltage/V | 51.2 | | | |
| Rated capacity/Ah | 102 | 204 | 306 | 408 |
| Rated energy/kWh | 5.22 | 10.44 | 15.67 | 20.89 |
| Standard parallel unit/P | 1 | 2 | 3 | 4 |
| Output power/kW | 5 | 10 | 10 | 10 |
| Charge voltage/V | 58.4 | | | |
| Operating voltage range/V | 41.6~58.4 | | | |
| Max. charge current/A | 50 | 100 | 150 | 200 |
| Max. discharge current/A | 100 | 200 | 200 | 200 |
| Operating temperature/°C | Charge temperature/°C | | | |
| | Discharge temperature/°C | | | |
| Weight/kg | 46 | 92 | 138 | 184 |
| Dimension(W×D×H)(mm) | 483×450×153 | 483×450×306 | 483×450×459 | 483×450×612 |
| IP rating | IP21 | | | |
| Certification | UN38.3, CE-EMC | | | |
| Cooling method | Natural cooling | | | |
| Communication | CAN/RS485 | | | |
| Cycle life | ≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C | | | |
| Display configuration | ON/OFF button, SOC indicator light(button LCD optional) | | | |

48V100AH Stacked Lithium-ion Battery System

| Model | EHB48100D16S1P | EHB48100D16S2P | EHB48100D16S3P | EHB48100D16S4P | | | |
|---------------------------|--|----------------|----------------|----------------|-----|-----|-----|
| Cathode material | LiFePO4 | | | | | | |
| Rated voltage/V | 51.2 | | | | | | |
| Rated capacity/Ah | 102 | 204 | 306 | 408 | | | |
| Rated energy/kWh | 5.22 | 10.44 | 15.67 | 20.89 | | | |
| Standard parallel unit/P | 1 | 2 | 3 | 4 | | | |
| Output power/kW | 5 | 5 | 10 | 5 | 10 | 5 | 10 |
| Charge voltage/V | 58.4 | | | | | | |
| Operating voltage range/V | 41.6~58.4 | | | | | | |
| Max. charge current/A | 50 | 100 | 120 | 150 | 120 | 200 | |
| Max. discharge current/A | 100 | 120 | 200 | 120 | 200 | 120 | 200 |
| Operating temperature/°C | Charge temperature/°C | | | | | | |
| | Discharge temperature/°C | | | | | | |
| Weight/kg | 11+50×1 | 11+50×2 | 11+50×3 | 11+50×4 | | | |
| Dimension(W×D×H)(mm) | 580×390×380 | 580×390×560 | 580×390×740 | 580×390×920 | | | |
| IP rating | IP54 | | | | | | |
| Certification | UN38.3, CE-EMC | | | | | | |
| Cooling method | Natural cooling | | | | | | |
| Communication | CAN/RS485 | | | | | | |
| Cycle life | ≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C | | | | | | |
| Display configuration | Quick-connect terminal, ON/OFF button, SOC indicator light | | | | | | |

Home Energy Storage Battery



48V314AH Rack-mounted Lithium-ion Battery System

| Model | EHB48314R10S1P | EHB48314R10S2P | EHB48314R10S3P | EHB48314R10S4P |
|---------------------------|---|----------------|----------------|----------------|
| Cathode material | LiFePO4 | | | |
| Rated voltage/V | 51.2 | | | |
| Rated capacity/Ah | 314 | 628 | 942 | 1256 |
| Rated energy/kWh | 10.04 | 20.09 | 30.14 | 40.19 |
| Standard parallel unit/P | 1 | 2 | 3 | 4 |
| Output power/kW | 5 | 10 | 10 | 10 |
| Charge voltage/V | 58.4 | | | |
| Operating voltage range/V | 51.2 | | | |
| Max. charge current/A | 100 | 200 | 200 | 200 |
| Max. discharge current/A | 100 | 200 | 200 | 200 |
| Operating temperature/°C | Charge temperature/°C | | | |
| | Discharge temperature/°C | | | |
| Weight/kg | 87 | 165 | 243 | 321 |
| Dimension(W×D×H)(mm) | 440×650×480 | 440×650×758 | 440×650×1033 | 440×650×1312 |
| IP rating | IP21 | | | |
| Certification | UN38.3, CE-EMC | | | |
| Cooling method | Fan cooling | | | |
| Communication | CAN/RS485 | | | |
| Cycle life | ≥8000 Cycles@0.5C/90%DOD@80%EOL, 25±2°C | | | |
| Display configuration | ON/OFF button, SOC indicator light | | | |

48V314AH Stacked Lithium-ion Battery System

| Model | EHB48314D10S1P | EHB48314D10S2P | EHB48314D10S3P | EHB48314D10S4P |
|---------------------------|--|----------------|----------------|----------------|
| Cathode material | LiFePO4 | | | |
| Rated voltage/V | 51.2 | | | |
| Rated capacity/Ah | 314 | 628 | 942 | 1256 |
| Rated energy/kWh | 10.04 | 20.09 | 30.14 | 40.19 |
| Standard parallel unit/P | 1 | 2 | 3 | 4 |
| Output power/kW | 5 | 10 | 10 | 10 |
| Charge voltage/V | 58.4 | | | |
| Operating voltage range/V | 51.2 | | | |
| Max. charge current/A | 100 | 200 | 200 | 200 |
| Max. discharge current/A | 100 | 200 | 200 | 200 |
| Operating temperature/°C | Charge temperature/°C | | | |
| | Discharge temperature/°C | | | |
| Weight/kg | 15+81×1 | 15+81×2 | 15+81×3 | 15+81×4 |
| Dimension(W×D×H)(mm) | 700×405×520 | 700×405×750 | 700×405×980 | 700×405×1210 |
| IP rating | IP65 | | | |
| Certification | UN38.3, CE-EMC | | | |
| Cooling method | Fan cooling | | | |
| Communication | CAN/RS485 | | | |
| Cycle life | ≥8000 Cycles@0.5C/90%DOD@80%EOL, 25±2°C | | | |
| Display configuration | Quick-connect terminal, ON/OFF button, SOC indicator light | | | |

Home Energy Storage Battery



5.22kWh

10.44kWh

16.07kWh

750V314AH Stacked Lithium-ion Battery System

| Model | EHB48314R10S1P | EHB48314R10S2P | EHB48314R10S3P | EHB48314R10S4P |
|---------------------------|--|----------------|----------------|----------------|
| Cathode material | LiFePO4 | | | |
| Rated voltage/V | 750 | | | |
| Rated capacity/Ah | 314 | 628 | 942 | 1256 |
| Rated energy/kWh | 10.04 | 20.09 | 30.14 | 40.19 |
| Standard parallel unit/P | 1 | 2 | 3 | 4 |
| Output power/kW | 5 | 10 | 15 | 20 |
| Charge voltage/V | 1000 | | | |
| Operating voltage range/V | 600~1000 | | | |
| Max. charge current/A | 8.3 | 16.6 | 24.9 | 33.2 |
| Max. discharge current/A | 8.3 | 16.6 | 24.9 | 33.2 |
| Operating temperature/°C | Charge temperature/°C | | | |
| | 0~55 | | | |
| Operating temperature/°C | Discharge temperature/°C | | | |
| | -20~55 | | | |
| Weight/kg | 15+83×1 | 15+83×2 | 15+83×3 | 15+83×4 |
| Dimension(W×D×H)(mm) | 700×405×520 | 700×405×750 | 700×405×980 | 700×405×1210 |
| IP rating | IP65 | | | |
| Certification | UN38.3, CE-EMC | | | |
| Cooling method | Fan cooling | | | |
| Communication | CAN/RS485 | | | |
| Cycle life | ≥8000 Cycles@0.5C/90%DOD@80%EOL, 25±2°C | | | |
| Display configuration | Quick-connect terminal, ON/OFF button, SOC indicator light | | | |

Vertical Lithium-ion Battery System

| Model | EHB24200Y8S2P | EHB48100Y16S1P | EHB48200Y16S2P | EHB48314Y16S1P |
|---------------------------|---|----------------|----------------------------------|---|
| Cathode material | LiFePO4 | | | |
| Rated voltage/V | 25.6 | 51.2 | 51.2 | 51.2 |
| Rated capacity/Ah | 204 | 102 | 204 | 314 |
| Rated energy/kWh | 5.22 | 5.22 | 10.44 | 16.07 |
| Standard parallel unit/P | 1 | 1 | 1 | 1 |
| Output power/kW | 3 | 5 | 5 10 | 5 8 |
| Charge voltage/V | 29.2 | 58.4 | 58.4 | 58.4 |
| Operating voltage range/V | 20.8~29.2 | 41.6~58.4 | 41.6~58.4 | 41.6~58.4 |
| Max. charge current/A | 100 | 100 | 100 | 100 160 |
| Max. discharge current/A | 100 | 100 | 100 200 | 100 200 |
| Operating temperature/°C | Charge temperature/°C | | | |
| | 0~55 | | | |
| Operating temperature/°C | Discharge temperature/°C | | | |
| | -20~55 | | | |
| Weight/kg | 53 | 53 | 90 | 122 |
| Dimension(W×D×H)(mm) | 440×170×690(750 with wheels) | | 820×170×660 (710 with wheels) | 460×230×850 (900 with wheels) |
| IP rating | IP21 | | | |
| Certification | UN38.3, CE-EMC | | | |
| Cooling method | Natural cooling | | | |
| Communication | CAN/RS485 | | | |
| Cycle life | ≥6000 Cycles@0.5C/90%DOD@80%EOL, 25±2°C | | | ≥8000 Cycles @0.5C/90%DOD@ 80%EOL, 25±2°C |
| Display configuration | ON/OFF button, LCD touchscreen | | | |