

Residential Energy Storage System

Power Your Home, Empower Your Life.



ABOUT BATTSYS

Guangzhou Battsys Co.,Ltd. specializes in customized and diversified R&D and production of lithium-ion batteries. And is committed to providing safe, stable, and efficient energy solutions for global customers.

BATTSYS offers a wide range of energy storage products, including commercial and industrial ESS, residential ESS, Lead-acid to lithium battery, solar street light batteries, and LEV batteries. The company has established manufacturing bases and offices in the United States, Australia, Hong Kong, and Africa, enabling rapid response to customer needs and delivering efficient, professional services worldwide.



Office



Cell Production



PACK Production



2006

Year Since



40000m²

Production Base



80 millions

Annual Capacity



15%+

R&D Input



53+

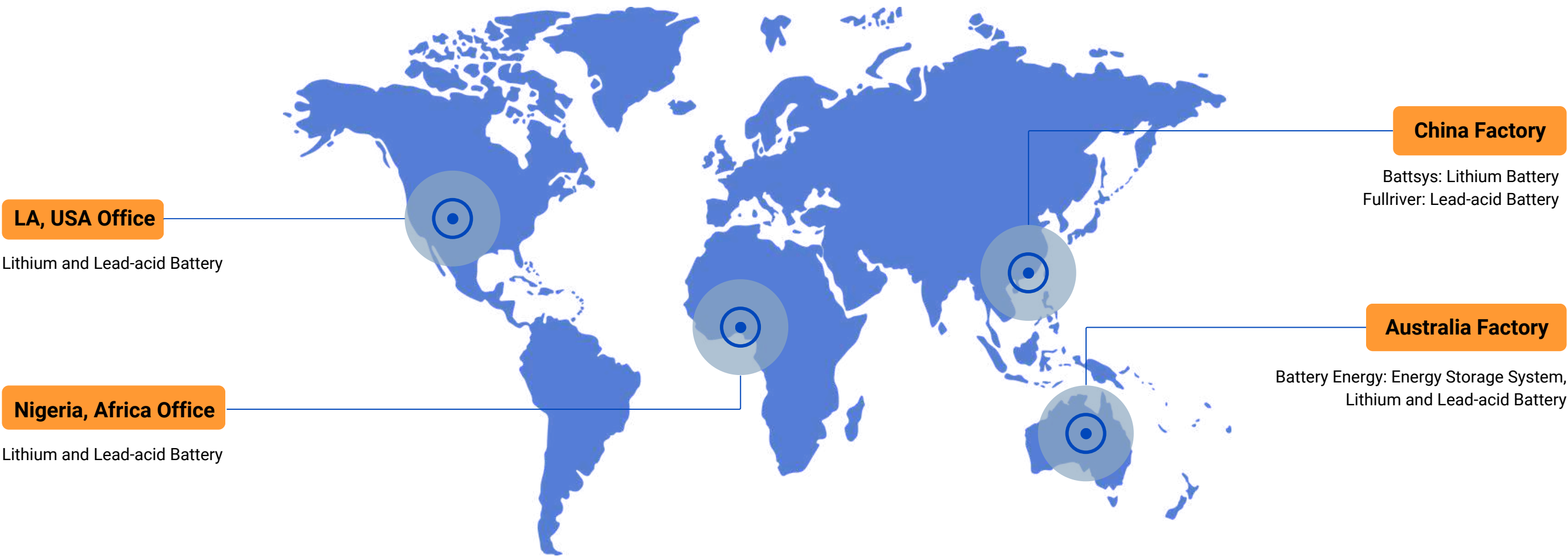
Exclusive Patents



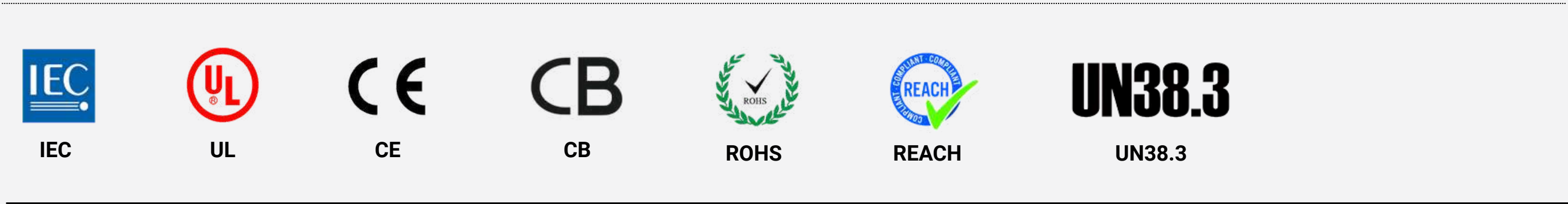
80%

Export Rate

GLOBAL LAYOUT



PRODUCT CERTIFICATIONS



Wall-Mounted Battery

RES-W Series



RES-W Series is an ultra-slim wall-mounted battery that can be directly installed on the wall with a simple and quick installation process. Its compact and elegant design allows it to easily fit into any limited space in the home.



Unique Design

New wall mount design



Long Life

6000+cycle life (@80% DOD)



High Compatibility

Compatible with multiple
inverters

| Model | 51.2V100AH | 51.2V200AH | 51.2V300AH |
|---------------------------|--|---------------|---------------|
| Nominal Voltage | 51.2V | | |
| Capacity | 100Ah | 200Ah | 300Ah |
| Energy | 5.12kWh | 10.24kWh | 15.36kWh |
| Charging Cut-off Voltage | 57.6V | | |
| Discharge Cut-off Voltage | 40V | | |
| Max.Charge Current | 100A | 100A | 100A |
| Max.Discharge Current | 100A | 100A | 100A |
| Charge temperature | 0~55℃ | | |
| Discharge temperature | -20~60℃ | | |
| Storage Environment | -20~55℃ | | |
| Environment | Indoor | | |
| Installation | Wall mounted | | |
| Cell Technology | LiFePO4 | | |
| Cycle Life | Standard: ≥3000 cycles Advanced: ≥6000 cycles | ≥6000 cycles | |
| Cooling | Natural convection | | |
| Protection Rating | IP54 | IP21 | IP21 |
| Dimension | 505*505*145mm | 442*820*142mm | 660*820*140mm |
| Weight | 41.88KG | 78.85KG | 120.77KG |
| Communication | CAN,RS485 | | |

Floor Mounted Wheel Battery

RES-F Series



RES-F Series is suitable for multiple scenarios, with optional detachable wheels enabling mobile energy storage. It features built-in high-quality LiFePO₄ cells with large capacity, ensuring a long cycle life.

Safe & Reliable

High quality LiFePO₄ battery

Multi-Scenario

With optional wheels, the battery supports mobile energy storage

High Compatibility

Compatible with multiple inverters


| Model | 51.2V205AH | 51.2V314AH |
|---------------------------|--------------------|--|
| Nominal Voltage | 51.2V | |
| Capacity | 205Ah | 314Ah |
| Energy | 10.50kWh | 16.08kWh |
| Charging Cut-off Voltage | 57.6V | |
| Discharge Cut-off Voltage | 40V | |
| Max.Charge Current | 100A | 150A |
| Max.Discharge Current | 100A | 150A |
| Charge temperature | 0~55℃ | |
| Discharge temperature | -20~60℃ | |
| Storage Environment | -20~55℃ | |
| Environment | Indoor | |
| Installation | Wheeled | |
| Cell Technology | LiFePO4 | |
| Cycle Life | ≥3500 cycles | Standard: ≥6000 cycles Advanced: ≥8000 cycles |
| Cooling | Natural convection | |
| Protection Rating | IP54 | |
| Dimension | 555*505*235mm | 640*555*235mm |
| Weight | 98KG | 140KG |
| Communication | CAN,RS485 | |

Stackable Battery

RES-S Series




RES-S Series is a low-voltage stackable energy storage system with a modular design, allowing flexible capacity expansion from 5.12 kWh to 25.6 kWh. Storage units can be easily added or removed to customize the system based on specific needs.




Safe & Reliable

High quality LiFePO4 battery



Long Life

6000+cycle life (@80% DOD)



Flexible Expansion

Modular design, multiple groups in parallel to increase capacity

| Model | 51.2V200AH | 51.2V300AH | 51.2V400AH | 51.2V500AH |
|----------------------------|--|---------------|---------------|---------------|
| Cell Type | LiFePO4 | | | |
| Nominal Voltage | 51.2V | | | |
| Nominal Capacity | 200AH | 300AH | 400AH | 500AH |
| End-f-charge Voltage | 58.4V | | | |
| End-of-discharge Voltage | 40.0V | | | |
| Rated Charge Current | 100A | 150A | 200A | 250A |
| Max.Charge Current | 200A | 300A | 400A | 500A |
| Rated Discharge Current | 100A | 150A | 200A | 250A |
| Max.Discharge Current | 200A | 300A | 400A | 500A |
| Max.Peak Current | 300A | 400A | 500A | 600A |
| Operating Temperature | Charging: -10℃~50℃ | | | |
| | Discharging: -25℃~60℃ | | | |
| Cycle Life | ≥6000 cycles (@80%DOD) | | | |
| Protection | Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage | | | |
| | Under-voltage, Over-high/low temperature | | | |
| Communication Mode | RS485/CAN/Bluetooth | | | |
| Communication Interface | RJ45 | | | |
| Charge/Discharge Interface | M8 Terminal | | | |
| Shell Material | Metal | | | |
| Shell Color | White | | | |
| Dimensions | 565*460*360mm | 565*460*540mm | 565*460*720mm | 565*460*900mm |
| Net Weight | Approx.92kg | Approx.138kg | Approx.184kg | Approx.240kg |

Rack Mounted Battery

RES-M Series




RES-R Series is a rack-mounted battery system characterized by its compact size, flexibility, and ease of installation. It supports cabinet, stacked, and wall-mounted installations, offering a durable energy storage solution for various specialized scenarios.




Safe & Reliable

High quality LiFePO4 battery



Flexible Capacity

Max.15pcs in Parallel to extend capacity



Easy Installation

Quick plug in +/- and RS485 parallel connection

| Model | 51.2V100AH |
|--|---|
| Nominal Voltage | 51.2V |
| Rated Capacity | 100Ah |
| Energy | 5.12kWh |
| Charging Cut-off Voltage | 56.16V |
| Discharge Cut-off Voltage | 45.6V |
| Recommend charge/discharge current | 50A |
| Maximum continuous charge/discharge current | 100A |
| Instantaneous discharge current | 200A/1S |
| Charge temperature | 0~55°C |
| Discharge temperature | -20~60°C |
| Storage Environment (50% state of charge) | 20°C ~ 45°C in three months; 25±3°C over three months; Humidity:65±20%RH |
| Environment | Indoor |
| Installation | Wall-mounted/Rack Mount |
| Cell Technology | LiFePO4 |
| Life Cycle | ≥6000 cycles (@80%DOD) |
| Cooling | Natural cooling |
| Protection Rating | IP20 |
| Certificates | CB, IEC62619, UL1973, UL9540A, UKCA, CE-EMC, CE-GPSP,EN62619; UN38.3, MSDS |
| Dimension | 550*440*130mm(3U) |
| Weight | 44.35KG/47.85KG |
| Communication | RS232, CAN, RS485 |

Floor Mounted All in One Battery

RES-A Series



RES-A Series is an all-in-one floor-standing energy storage system that integrates the battery, inverter, BMS, and cooling system. Its compact design ensures fast and convenient installation.



All-in-One

Integrated energy storage system for quick and easy installation



Multi-mode Switching

Hybrid, off-grid and grid-connected dual output mode




Smart Control

APP monitoring with WiFi and Bluetooth connectivity


| Model | 25.6V 100Ah |
|----------------------------------|--|
| Voltage | 25.6V |
| Rated power | 2200W |
| Output voltage | 110/120/220/230/240VAC |
| Output frequency | 50/60Hz |
| Output waveform | Pure sine wave |
| Input voltage range | 85-138/170-275VAC |
| Input frequency | 45-65Hz |
| Maximum PV voltage | ≤100V |
| PV input voltage range | 34-100V |
| Rated charging current | 30A |
| Maximum power | 840Wp |
| Floating charge voltage | 28.4V |
| MPPT efficiency | ≥97% |
| High voltage protection voltage | 34V |
| High voltage recovery voltage | 30V |
| Low voltage protection voltage | 26V |
| Low voltage recovery voltage | 22.4V |
| 5VDC USB output port | 2 units/max 2A |
| 12VDC output port | 2 units/max 2A |
| Cooling method | Temperature control of intelligent exhaust fan |
| Operating ambient temperature | 0~40℃ |
| Storage ambient temperature | -25~55℃ |
| Operation and storage conditions | 0-90% (Non-condensing) |
| Dimensions | 540*229*464mm |
| Weight | 42Kg |

BATTSYS

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BATTSYS BATTERY