Corporate Profile of Jiangsu Relangy Energy Technology

2026

Microgrid One-Stop Solution Wind, Solar, Storage, Generator and EMS

Jiangsu Relangy Energy Technology Co., Ltd

Add: Building 15, No. 6, Beitanghe EastRoad, Tianning District, Changzhou City

Global Layout

Headquarters

Jiangsu Relangy Energy Technology
Building 15, No. 6, Beitanghe EastRoad, Tianning District, Changzhou City

Hong Kong Office

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Room 03-20, 7/F, Block B, Tuen Mun Industrial Centre, 2 San Ping Wai,Tuen Mun, Hong Kong

Global Test and Certification List

IEC TÜV SÜD UL CE CNAS **UN38.3**

The company has passed ISO9001, IAF, and utility model patent certifications

ISO 9001 IAF


TEST REPORT


CERTIFICATE
VERIFICATION


EMC Test Report


UN38.3 Test Report
UN38.3 测试报告

Solution

01 Off-grid Solutions for Remote Areas

02 Electric Vehicle Charging Station Solutions

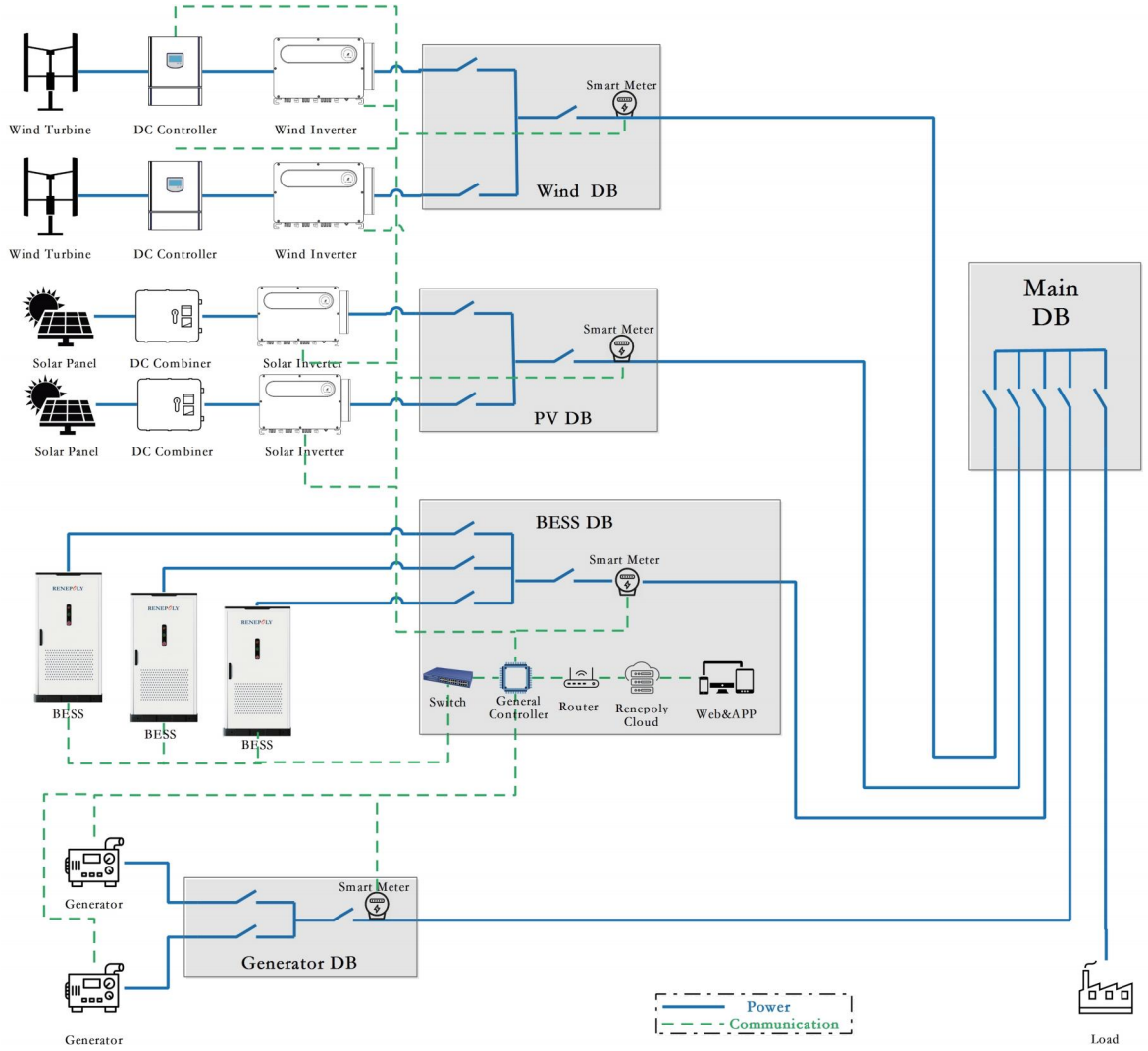
03 Commercial and Industrial Solutions

04 Residenial Community Solutions

05 Frequency Regulation Solutions

06 Power Station Solutions

- An integrated system consisting of existing generator sets, renewable energy generation (solar, wind, biomass, etc.), energy storage, and an intelligent energy management system.
- Functions such as load shifting, peak shaving and valley filling, backup power, and regulation of voltage, frequency, and power factor.
- Intelligent management and automatic control of the entire system.
- Minimization of diesel/gasoline consumption of the generator system through optimized operating logic.
- Reduction of harmful pollutants that affect air quality and contribute to climate change.
- Low noise level that does not disturb surrounding areas. (Note: The original text said “quiet noise level that may disturb” – likely a typo; corrected to a typical benefit statement.)
- Mitigation of diesel price volatility, which leads to unpredictable costs.
- Low periodic maintenance costs, reducing overall operation and maintenance expenses.
- Higher overall system efficiency compared to single-source energy systems.
- Compliance with stringent environmental regulations that might otherwise restrict energy use.



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- An integrated system consisting of the power grid, AC/DC EV charging piles, renewable energy generation (solar, wind, biomass, etc.), energy storage, and an intelligent energy management system.
- Functions such as load shifting, peak shaving and valley filling, backup power, seamless switching, and regulation of voltage, frequency, and power factor.
- Intelligent management and automatic control of the entire system.
- Ensuring the technical and economic feasibility of EV charging stations through optimized operating logic.
- The energy storage system bridges the gap between existing transformer capacity and EV charger power demand.
- Eliminates the need to wait for transformer upgrade permits.
- Quiet noise level that may disturb surrounding areas. (Note: The original text states “may disturb,” which is semantically unusual; if this is a typo, it could be corrected to “does not disturb.”)
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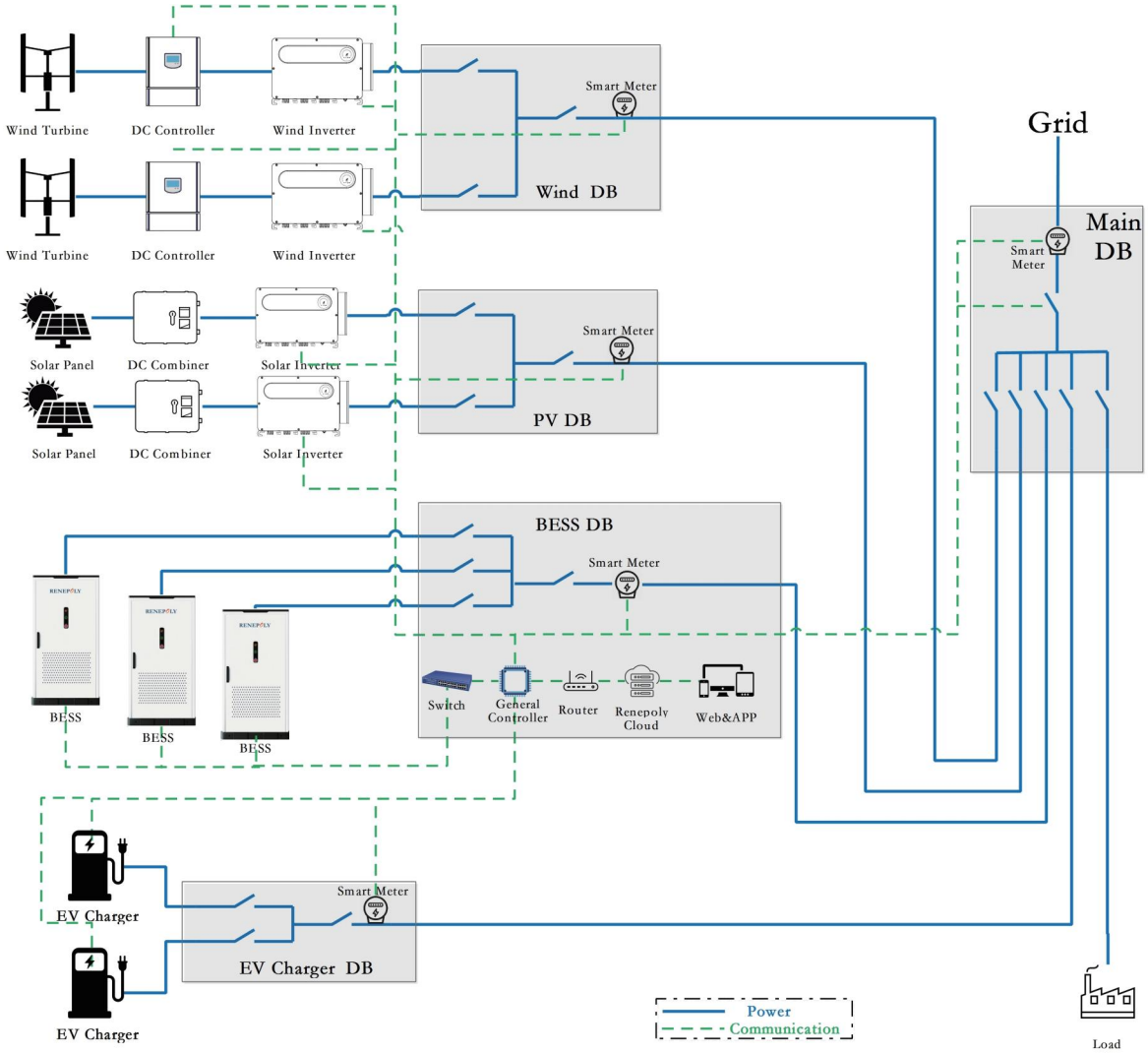

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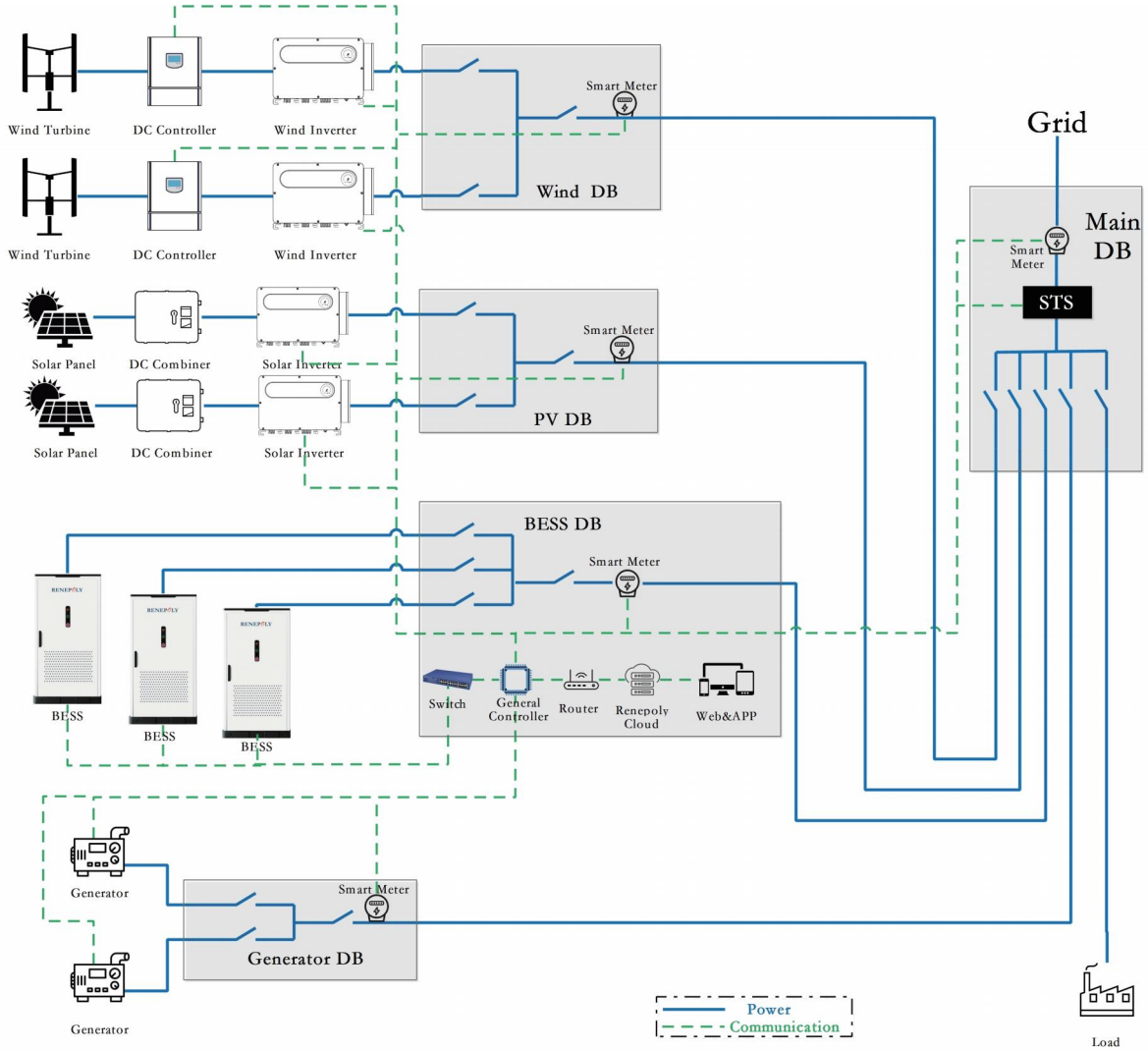
- Intelligent management and automatic control of the entire system.
- Ensuring the technical and economic feasibility of the entire integrated system through optimized operational logic.
- Energy storage systems that balance renewable energy generation with load demand.
- Maximizing the penetration of renewable energy.
- Enhancing power supply stability, with an optional smart UPS function to seamlessly switch from grid power to the energy storage system during outages.
- Reducing harmful pollutants that affect air quality and contribute to climate change.
- Quiet noise levels that may potentially disturb surrounding areas.
- Low routine maintenance costs, reducing overall operation and maintenance expenses.
- Higher overall system efficiency compared to single-energy systems.
- Compliance with stringent environmental regulations that may restrict energy use.



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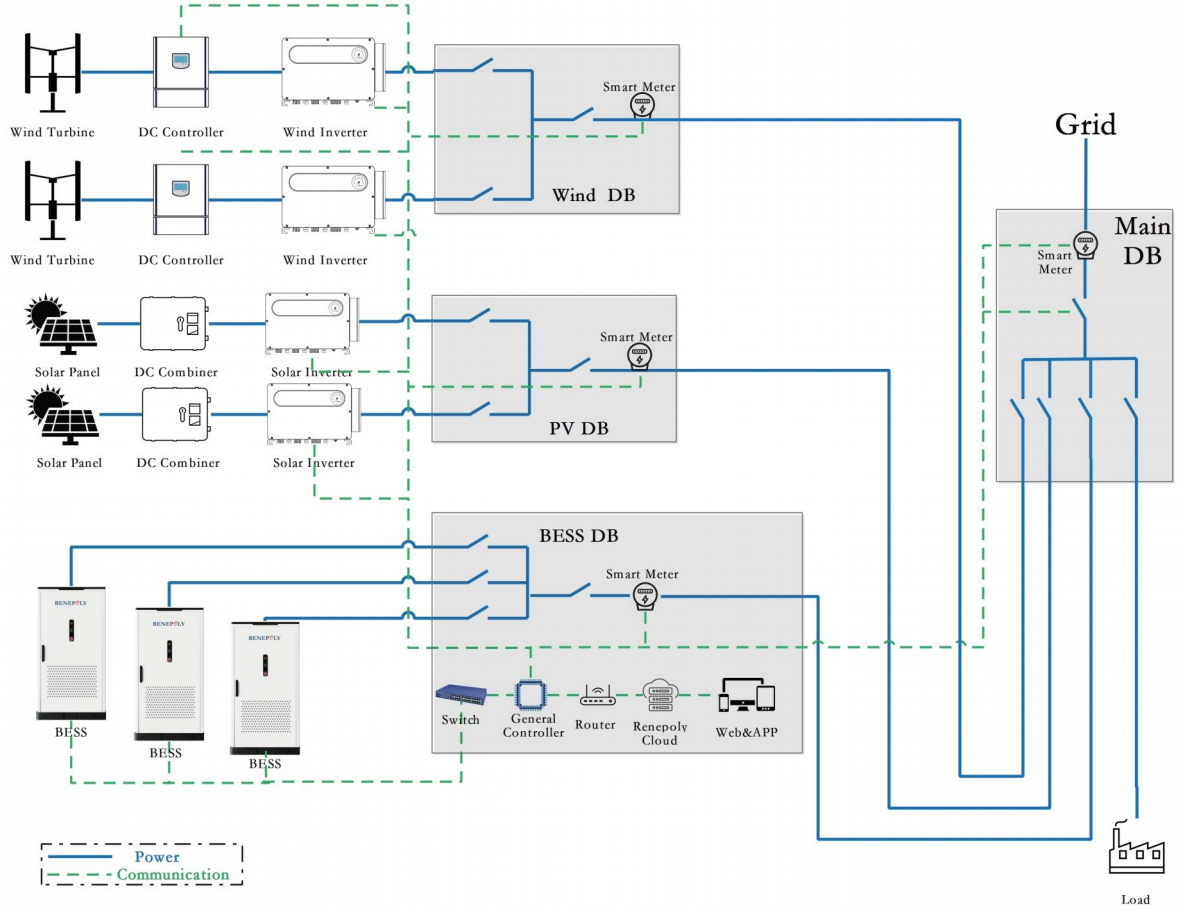

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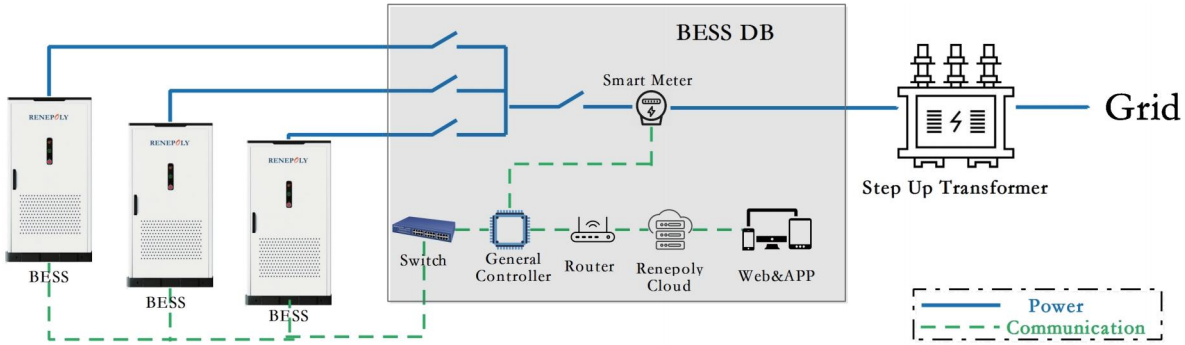
- Functions for regulating grid voltage, frequency, and power factor.
- Intelligent management and automatic control of the entire system.
- Energy storage system that meets grid regulation requirements.
- Reduction of harmful pollutants that affect air quality and contribute to climate change.
- Quiet noise level that may disturb surrounding areas.
- Low periodic maintenance costs, reducing overall operation and maintenance expenses.
- Higher overall system efficiency compared to single-source energy systems.
- Compliance with stringent environmental regulations that might otherwise restrict energy use.



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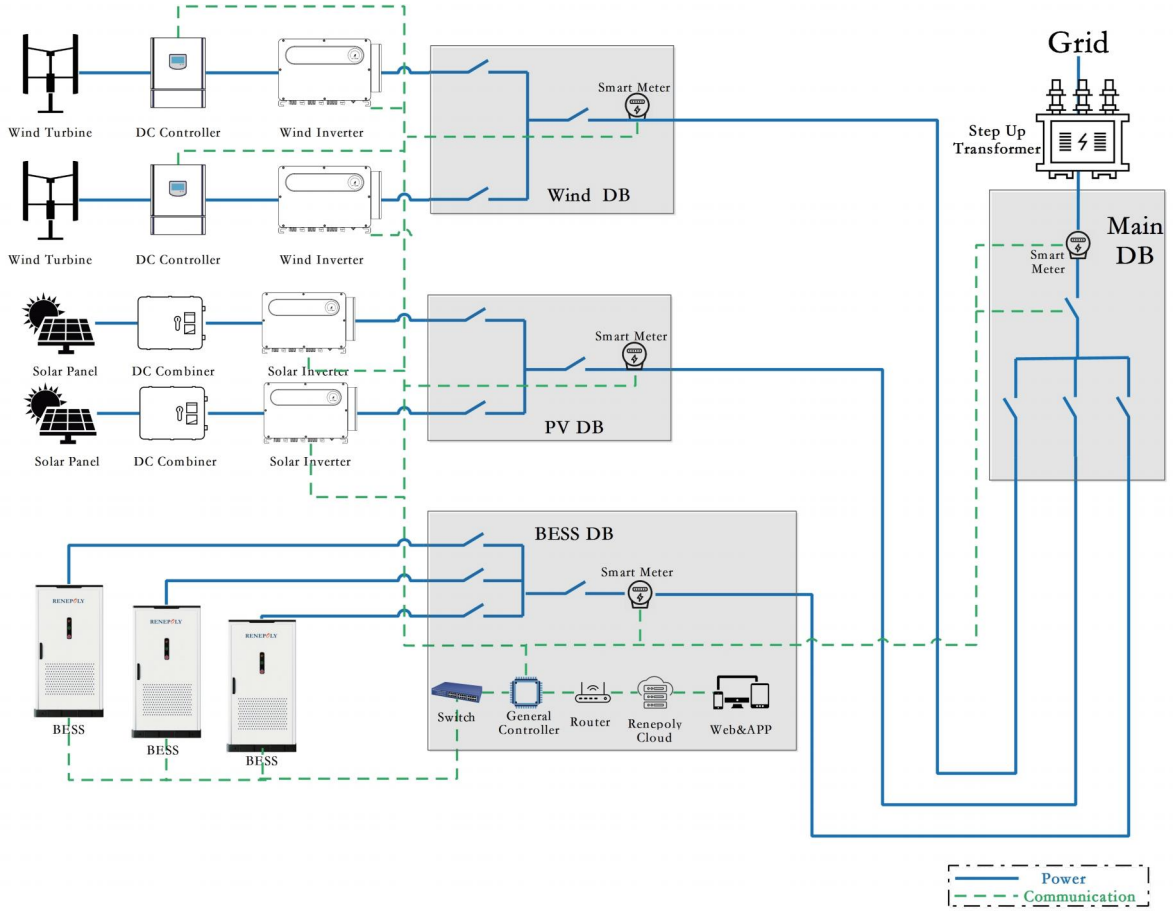
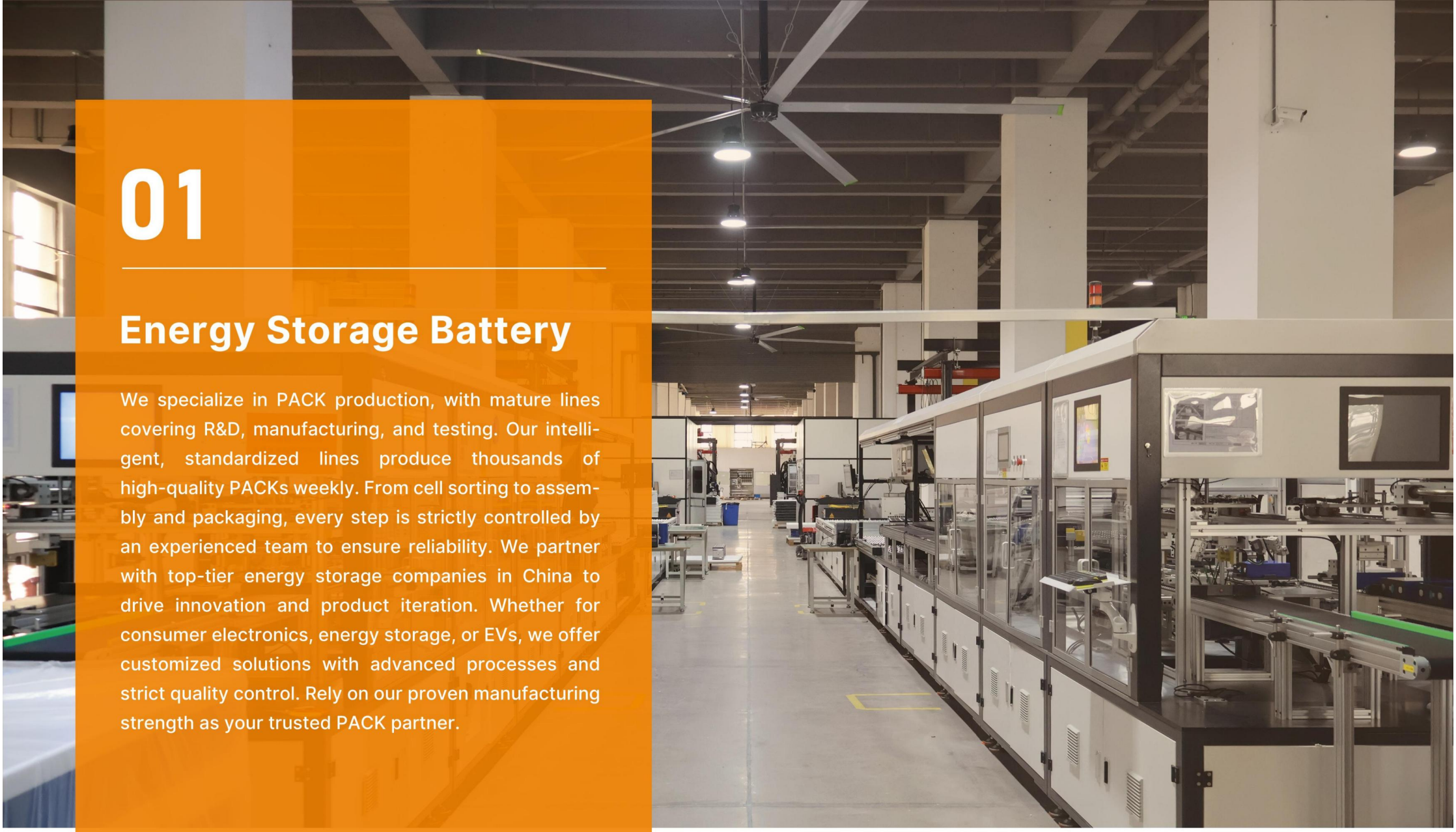


PRODUCT MATRIX

- **Energy storage battery**
  - **Liquid-cooled PACK** — RE314 Series
    - ZM-314A-P40Y
    - ZM-314A-P48Y
    - ZM-314A-P52Y
    - ZM-314A-P60Y
    - ZM-314A-P64Y
    - ZM-314A-P104Y
  - **Air-cooled PACK**
    - ZM-280A-P16F
    - ZM-314A-P20F
- **Industrial and Commercial Energy Storage**
  - **Outdoor energy storage cabinet**
    - EGS120
    - EGS257
  - **Electrical control Cabinet**
    - ECC3P
    - ECC6P
    - ECC10P
- **Containerized Energy Storage**
  - **Integrated**
    - ES2411
    - ES3343
  - **Split**
    - ES5015



01

Energy Storage Battery

We specialize in PACK production, with mature lines covering R&D, manufacturing, and testing. Our intelligent, standardized lines produce thousands of high-quality PACKs weekly. From cell sorting to assembly and packaging, every step is strictly controlled by an experienced team to ensure reliability. We partner with top-tier energy storage companies in China to drive innovation and product iteration. Whether for consumer electronics, energy storage, or EVs, we offer customized solutions with advanced processes and strict quality control. Rely on our proven manufacturing strength as your trusted PACK partner.

- ZM-314A-P40Y
- ZM-314A-P48Y
- ZM-314A-P52Y
- ZM-314A-P60Y
- ZM-314A-P64Y
- ZM-314A-P104Y
- ZM-314A-P16F
- ZM-314A-P20F

RE314 Series Liquid-cooled PACK

RE314 Series Liquid-cooled PACK, which uses lithium iron phosphate battery cells with a nominal capacity of 314Ah inside. It has a complete range of models, covering diverse scenario requirements, and can be customized according to needs.

Cell type: Lithium iron phosphate battery cells

Nominal capacity: 314Ah

Precision Thermal Management

Adopt liquid cooling temperature control solution, with a temperature difference less than 3°C, thermal insulation between battery cells, ensure uniform working temperature of battery cells, extend cycle life, and reduce the risk of thermal runaway.

Intelligent slave control unit BMU

The slave control unit is an important part of the BMS. By accurately collecting the voltage and temperature of each single battery , it realizes real-time monitoring of the battery state.

High safety and long life

Featuring brand-name energy storage cells specifically engineered for this purpose, combined with optimised design, the cycle life exceeds 6,000 cycles, meeting the demands of energy storage applications.

Scene adaptation

Standardized interfaces and integrated structures reduce installation complexity and support rapid deployment and system expansion.

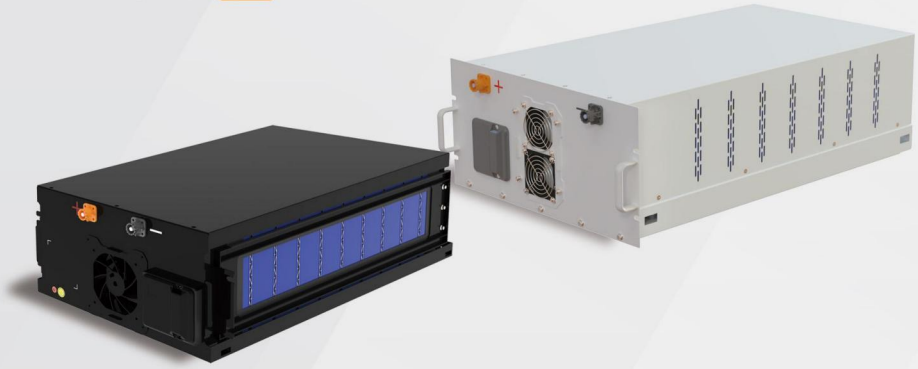
Product name	RE-314-P40Y	RE-314-P48Y	RE-314-P52Y	RE-314-P60Y	RE-314-P64Y	RE-314-P104Y
Cell type	Lithium Iron Phosphate Cell					
Nominal capacity	314Ah	314Ah	314Ah	314Ah	314Ah	314Ah
Packing method	1P40S	1P48S	1P52S	1P60S	1P64S	1P104S
Rated charge&discharge rate	0.25P/0.5P@25°C					
Rated voltage	128V	153.6V	166.4V	192V	204.8V	332.8V
Voltage range	100~146V	120~175.2V	130~189.8V	150~219V	160~233.6V	260~379.6V
Rated energy	40.192kWh	48.230kWh	52.250kWh	60.288kWh	64.307kWh	104.499kWh
Rated working current	157A					
Number of cycles	≥6000					
Cooling method	Liquid cooling					
Operating temperature range	5~45°C					
Operating humidity range	0~95%RH, no condensation					
IP protection class	IP65					
Product dimensions (W*D*H)	790*947*240mm	790*1087*240mm	790*1165*240mm	790*1311*240mm	790*1384*240mm	790*2200*240mm
Weight	245±5kg	290±5kg	310±5kg	355±5kg	377±5kg	660±15kg
Scope of application	Container energy storage/Outdoor energy storage cabinet					
Product certification	IEC CE UN38.3					

RE314 Series Air-cooled PACK

RE314 Series Air-cooled PACK, which uses lithium iron phosphate battery cells with a nominal capacity of 314Ah inside. The battery thermal management is achieved through air flow and consists of battery packs, fans, air ducts, etc. For scenarios with moderate air flow and consists of battery packs, fans, air ducts, etc. For scenarios with moderate economy and reliability , applicable to small electric vehicles, energy storage and other scenarios.

Cell type: Lithium iron phosphate battery cells

Nominal capacity: 314Ah



High-efficiency Air-cooling System

High-efficiency air-cooled battery, with synchronous improvement in battery life and system discharge capacity , less than 3°C temperature difference, thermal barrier between battery cells, ensuring uniform working temperature of battery cells.

Intelligent Slave Control Unit BMU

The slave control unit is an important part of the BMS. By precisely collecting the voltage and temperature of each single battery, it realizes real-time monitoring of the battery state.

High safety and long life

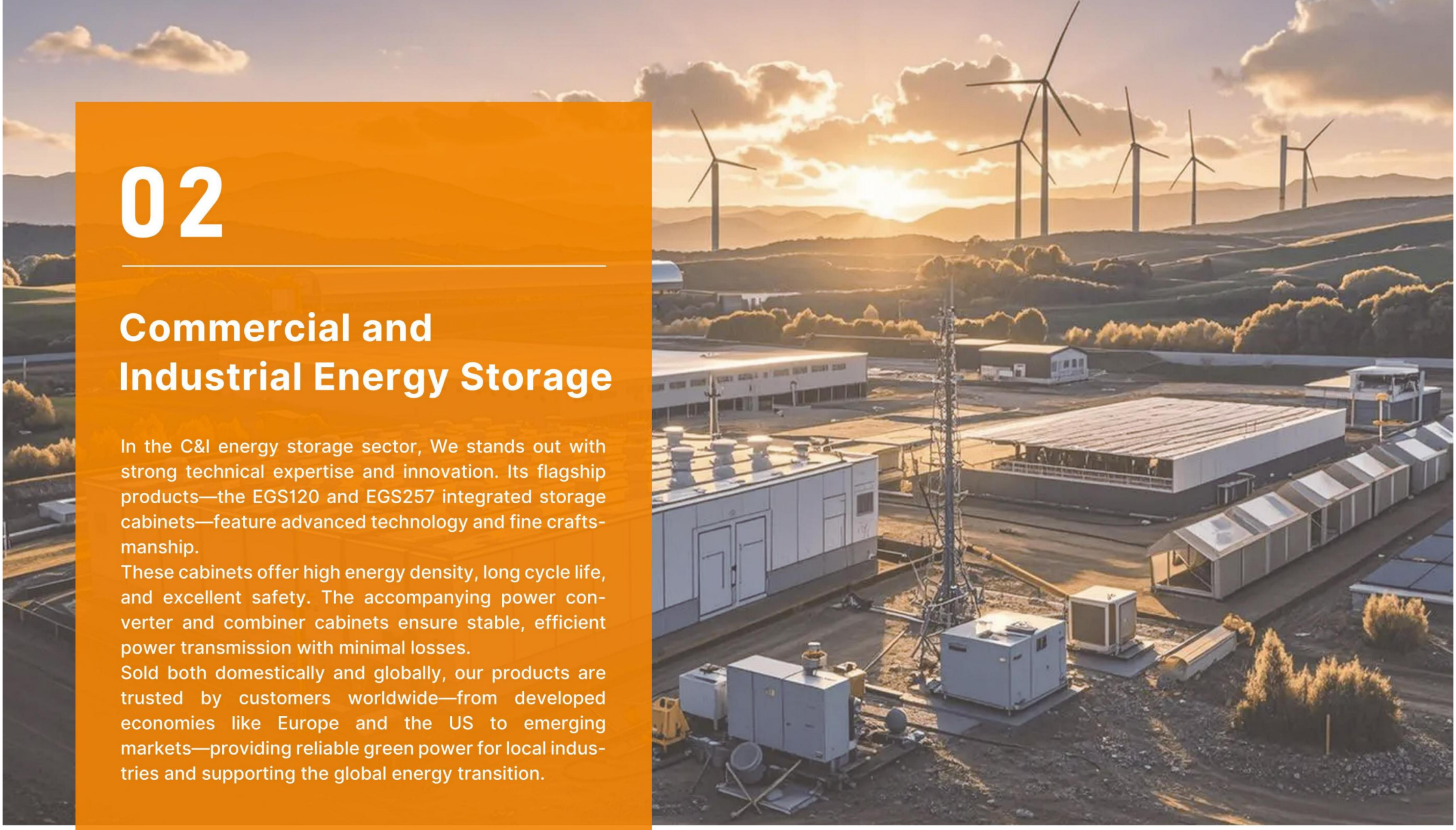
Service life exceeding 6,000 cycles, suitable for energy storage applications.

Scene adaptation

Standardized interface and integrated structure, reducing installation complexity, supporting rapid deployment and system expansion.

Product Name	RE-314-P16F
Cell Type	Lithium Iron Phosphate Battery Cell
Nominal Capacity	314Ah
Packing Method	1P16S
Rated charge&discharge rate	0.25P/0.5P@25°C
Rated voltage	51.2V
Voltage range	40~58.4V
Rated energy	16.077kWh
Rated working current	157A
Number of cycles	≥6000 times
Cooling method	Air cooling
Operating temperature range	5~45°C
Operating humidity range	0~95%RH, no condensation
IP protection class	IP20
Product dimensions (W*D*H)	492*787*235mm
Weight	120±5kg
Scope of application	Container energy storage / Outdoor energy storage cabinet
Product certification	IEC CE UN38.3

Product Name	RE-314-P20F
Cell Type	Lithium Iron Phosphate Battery Cell
Nominal Capacity	314Ah
Packing Method	1P20S
Rated charge&discharge rate	0.25P/0.5P@25℃
Rated voltage	64V
Voltage range	50~73V
Rated energy	20.096kWh
Rated working current	157A
Number of cycles	≥6000 times
Cooling method	Air cooling
Operating temperature range	5~45℃
Operating humidity range	0~95%RH, no condensation
IP protection class	IP20
Product dimensions (W*D*H)	492*961*232mm
Weight	135±5kg
Scope of application	Container energy storage / Outdoor energy storage cabinet
Product certification	IEC CE UN38.3



02

Commercial and Industrial Energy Storage

In the C&I energy storage sector, We stands out with strong technical expertise and innovation. Its flagship products—the EGS120 and EGS257 integrated storage cabinets—feature advanced technology and fine craftsmanship.

These cabinets offer high energy density, long cycle life, and excellent safety. The accompanying power converter and combiner cabinets ensure stable, efficient power transmission with minimal losses.

Sold both domestically and globally, our products are trusted by customers worldwide—from developed economies like Europe and the US to emerging markets—providing reliable green power for local industries and supporting the global energy transition.

- EGS120 Liquid-Cooled Integrated Photovoltaic-Storage System
- EGS257 Liquid Cooling Battery Energy Storage System
- ECC3P/6P/10P Electrical Control Cabinet

EGS120 Liquid-Cooled Integrated Photovoltaic-Storage System

The EGS120 battery energy storage system adopts an ALL-IN-ONE design philosophy, integrating the PV system, long-life battery cells, efficient bidirectional balancing BMS, high-performance PCS, fire protection system, intelligent power distribution system, and thermal management system into a single cabinet. This enables safe, stable, and reliable long-term operation, while achieving flexible capacity deployment of the energy storage station through grid connection on the AC side.

System battery energy 120.576kWh

Rated power 50kW

Extreme safety

PACK and system two-level fire protection
Hardware adopts high-reliability electrical brands
Software-hardware integration combined with four-level protection ensures electrical safety

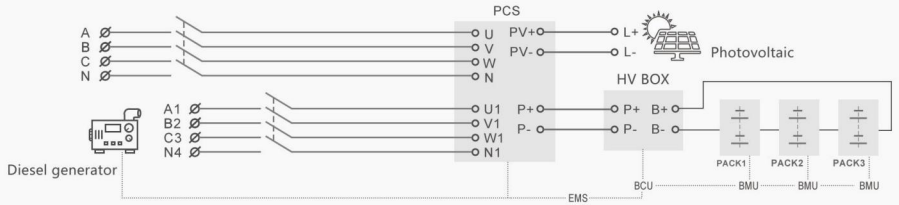
Flexible configuration

Unique modular design, solar-storage-diesel all-in-one unit
4-channel MPPT integration and up to 40A string current
Supports multi-machine parallel connection, distributed installation, capacity expansion, and multi-scenario applications.

Intelligent and efficient

High energy density, high charge/discharge efficiency
Real-time remote control with EMS optimization
Demand management, reverse power protection, overload protection, power distribution, peak shaving and valley filling

Product name	EGS120
Battery parameters	
Cell type	Lithium iron phosphate cell
Cell specification	3.2V/314Ah
System grouping method	1P120S
Charge & discharge rate	0.5P
Rated total energy	120.576kWh
Rated voltage	384V
Voltage range	336~432V
Cooling method	Liquid cooling
Number of cycles	6000 @80% SOH/25°C/0.5P
DC side parameters	
Recommended maximum PV module power	100kW
Maximum input voltage	1000V
Rated input voltage	600V
Starting voltage	180V
MPPT voltage range	150~850V
Number of MPPTs / Maximum number of input strings	4/8
Maximum input current of MPPT	4*40A
AC side parameters	
Rated power	50kW
Total current waveform distortion rate	≤3%
Maximum output current	76A/72.2A
Rated voltage	3/N/PE, 220/380V,230/400V
Rated frequency	50/60Hz
Power factor	> 0.99 (0.8 leading... 0.8 lagging)
System parameters	
Operating temperature range	-20~55°C
Operating humidity range	0~95%RH, no condensation
Maximum working altitude	2000m
Degree of protection	IP55
Degree of anti-corrosion	C3
Fire protection system	Aerosol fire extinguishing device
Communication Interface	RS485/CAN
Product Dimensions (W * D * H)	1415*1350*1700mm
Weight	Approximately 2.1t
Applicable Scenarios	Power Generation Side / Grid Side / User Side
Product Certification	IEC CE UN38.3
System Topology Diagram	



EGS257 Liquid Cooling Battery Energy Storage System

EGS257 outdoor integrated cabinet is a highly integrated energy storage device specifically designed to meet the needs of power storage and management in complex outdoor environments. It is widely used in various scenarios such as off-grid power supply, charging stations, industrial and commercial areas, residential communities, frequency regulation, and renewable energy power stations, effectively enhancing the reliability and resilience of the power grid while promoting energy independence and efficient utilization.

System battery energy 257kWh

Rated power 125kW

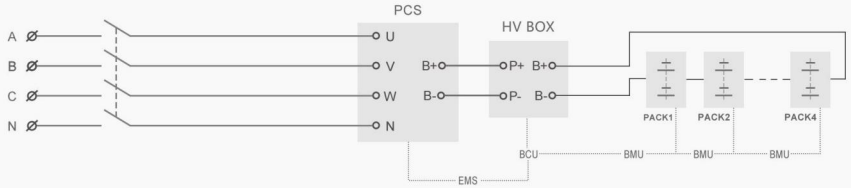
Highly integrated
Integrated design, facilitating transportation, installation, and operation and maintenance
Integrate core equipment such as PCS and lithium batteries for overall delivery

Safe and reliable
Intelligent monitoring and linkage to nsure system safety.Fire detectors are paired with gas fire protection

Intelligent liquid cooling
Non-uniform flow channel design, temperature difference ≤ 2°C Multiple liquid cooling control modes to reduce system power consumption

Intelligent and portable
Multiple operating modes are available, supporting remote upgrade
Based on the cloud monitoring and operation platform, supporting access to multiple devices

Product name	EGS257
Battery parameters	
Cell type	Lithium iron phosphate batter cell
Cell specification	3.2V/314Ah
Maximum charge and discharge power	137.5kW
Rated charge and discharge power	125kW
Charge and discharge rate	0.5P
System grouping method	1P256S
Rated energy	257kWh
Rated voltage	819.2V
Voltage range	716.8~921.6V
Cooling method	Liquid cooling
AC side parameters	
Rated AC power	125kW
Rated voltage	400V
AC side wiring method	3P4W
Rated frequency	50/60Hz
Total current waveform distortion rate	<3%
System parameters	
Operating temperature range	-20-50°C
Operating humidity range	0~95%RH, no condensation
Maximum working altitude	2000m
Degree of protection	IP55
Degree of anti-corrosion	C4
Fire protection system	Aerosol Fire Extinguishing Device
Communication interface	RS485/TCP
Product dimensions(W * D * H)	1050*1600*2050mm
Weight	2495±5kg
Applicable scenarios	Power generation side / Grid side / User side
Product Certification	IEC CE UN38.3
System topology diagram	



ECC3P/6P/10P
Electrical Control Cabinet

ECC3P/6P/10P Electrical Control Cabinet, which is applicable to low-voltage distribution systems and is an electrical device used for collecting, distributing, and managing alternating current electrical energy. Its core function is to meet the requirement that after 1 to 10 alternating current input power sources are collected, they are distributed to different loads or transmission lines through internal circuits, and at the same time, it has functions such as circuit protection, monitoring, and control to ensure the safe and stable operation of the power system.

Safe and reliable

Configure an energy management system to record current, voltage, electricity in real time.Power electrical parameters / Fire protection status /Environmental monitoring / Battery performance, etc.IP54 protection level, meeting outdoor requirements.

Flexible installation location

The input channels can be customized and modified to meet the requirements of different application scenarios.Adopting modular structure design, with reasonable layout and convenient installation and maintenance Fast and convenient.The identification of each component is clear the wiring is convenient, and the operation is simple and easy to understand.

Efficient and beautiful

Connected with high-quality copper bars, excellent electrical conductivity, effectively reducing electricity energy loss. The internal components adopt well-known brands, with stable and reliable performance, ensuring the long-term stable operation of the equipment. The appearance design is simple and generous, complementing the modern industrial environment.

Maximum number of input/output channels 10P

Rated power 1250kW

Maximum number of input/output channels 6P

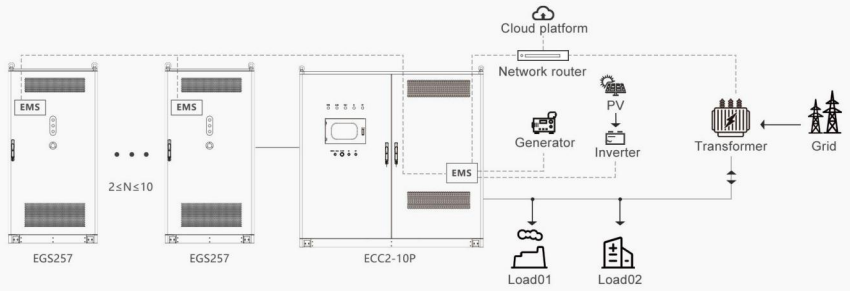
Rated power 750kW

Maximum number of input/output channels 3P

Rated power 375kW

Product name	ECC3P	ECC6P	ECC10P
Electrical parameters			
Rated power	375kW	750kW	1250kW
Maximum power	412.5kW	825kW	1375kW
Rated voltage	400V	400V	400V
Rated current	541.2A	1082.4A	1804A
Maximum current	595.2A	1190.4A	1984A
Rated input/output current per channel	180.4A	180.4A	180.4A
Maximum input/output current per channel	198.4A	198.4A	198.4A
Maximum number of input/output channels	3	6	10
System parameters			
Operating temperature range	-20~50°C		
Operating humidity range	0~95%RH,no condensation		
Maximum working altitude	2000m		
Ingress protection	IP55		
Anti-corrosion grade	C4		
Installaion method	Floor-standing type		
Entry and Exit method	Bottom in and bottom out		
Maintenance method	Front maintenance		
Communication interface	Modbus TCP/Modbus RTU		
Adaptation system	TN-S		
Dimension(W*D*H)	1070*893*2050mm	1493*889*2050mm	2140*1204*2050mm
Weight	374±5kg	524±5kg	870±5kg
Applicable scenarios	Power generation side / Grid side / User side		
Product certification	CE		

System topology diagram

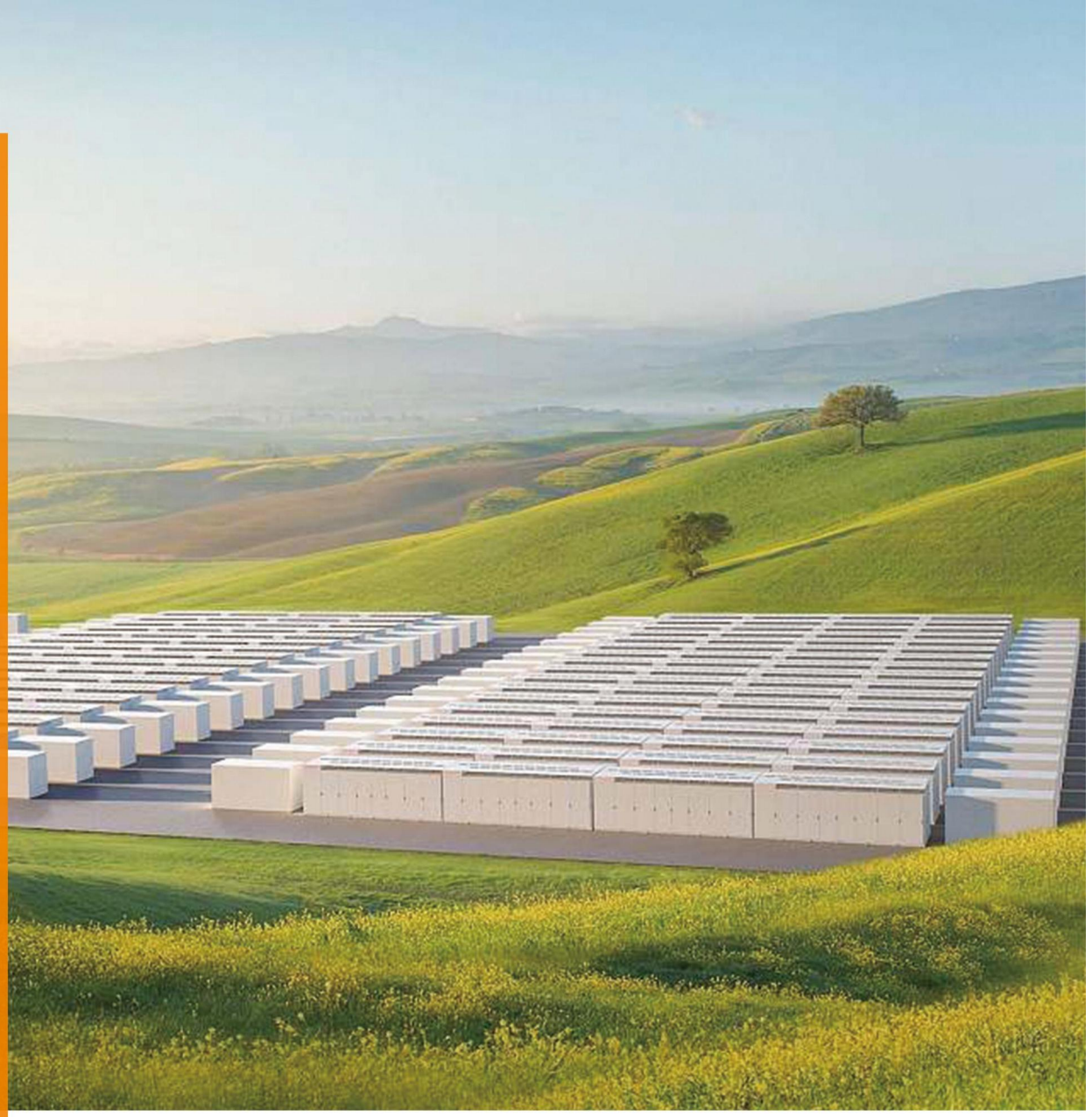


03

Customized Energy Storage Products

We focus on energy storage innovation. With our in-house R&D team, we fully customize high-performance energy storage containers—from analysis and design to production—ensuring a perfect fit for diverse customer needs. Our core models, ES2411 、ES3344 and ES5015, offer high integration, strong adaptability, and long service life, delivering reliable solutions for C&I storage and microgrids.

We comply with international quality standards through a rigorous control system from raw materials to finished products. A 24/7 after-sales team provides full lifecycle technical support.



- ES2411 Liquid Cooled Energy Storage System
- ES3344 Liquid Cooled Energy Storage System
- ES5015 Liquid Cooled Energy Storage System

ES2411 Liquid-cooled Energy Storage System

The ES2411 is a high-performance, integrated, containerized battery energy storage system designedto delverintelligent, reliable, and efficient energy solutions for industrial andcommercial applications. It optimizes energy efficiency and significantly enhances power supply stability. With outstanding performance and quality, the ES2411 has passed authoritative certifications such as CE, IEC, and UN38.3, ensuring safe, stable, and dependable power supplyfor users.

Highly integrated
All-in-one design, reducing transportation and installation costs. Integrating core equipment such as PCS and lithium batteries for overall delivery

Cost-effective
Intelligent charge and discharge management, extend battery cycle life by 95%, 95% battery cycle efficiency, 99% PCS efficiency

Safe and reliable
Intelligent monitoring and linkage to ensure system safety. Fire detectors are paired with gas fire extinguishing

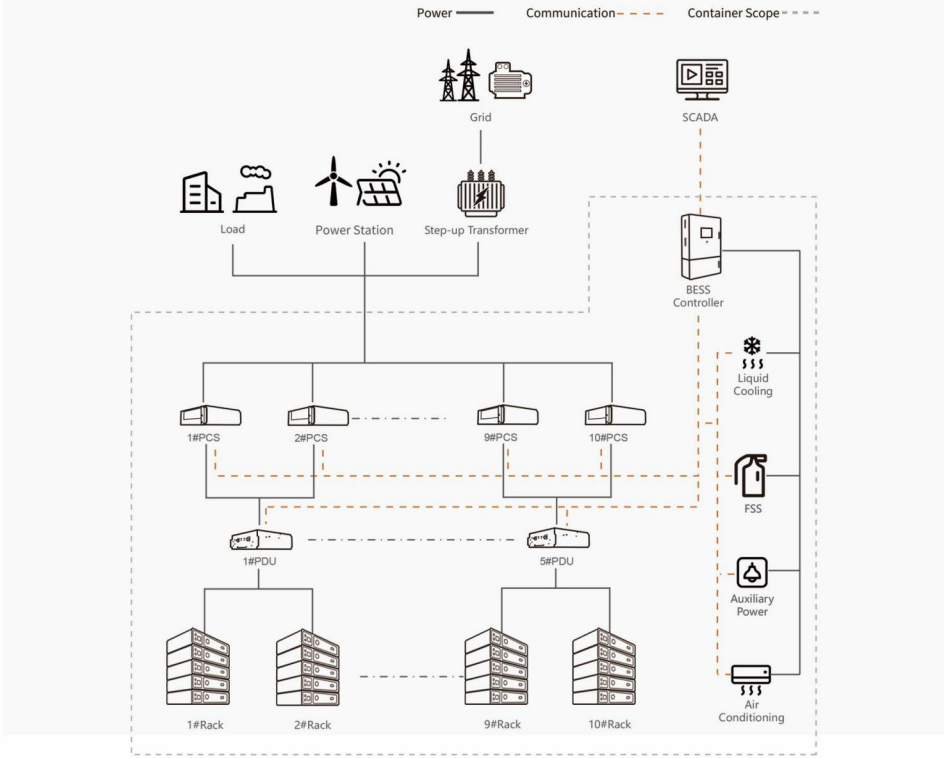
Intelligent and user-friendly
Support grid-connected and off-grid switching, cover diverse application scenarios, integrate local controller to achieve comprehensive management at device layer

System battery energy 2411kWh

Rated power 1250kW

Product name	ES2411
Battery Parameters	
Cell type	LFP
Cell specification	314Ah
Continuous cycle life of the cell	cycling at 25°C for 8000 times/at 45°C for 3000 times (>70%*SOH)
Battery cluster configuration	1P240S
Number of battery clusters	10
Rated energy	2411kWh
Rated voltage	768V
Voltage range	672~864V
Battery Pack Parameters	153.6V/314Ah 1P48S
Cooling Method	Liquid Cooling
AC Side Parameters	
Rated AC Power	1250kW
Rated voltage	400V
Rated current	1804A
AC side wiring method	3P4W
AC power factor	-1(leading)~1 (lagging)
Total current waveform dis-	<3%
System Parameters	
Operating Temperature Range	0~45°C
Operating humidity range	0~95%RH
Maximum working altitude	2000m
Degree of protection	IP55
Degree of anti-corrosion	C4
Fire protection system	Aerosol + Open Water Spray System
Communication interface	CAN/RS485/Ethernet
Communication protocol	Modbus TCP/RTU
Product dimensions (W * D * H)	6058*2438*2896mm
Weight	<30t
Applicable scenarios	Power generation side / Grid side / User side
Product certification	IEC CE UN38.3

System Topological Structure



ES3344 Liquid-cooled Energy Storage System

ES3344 is a liquid-cooled energy storage system with lithium iron phosphate batteries at its core, integrating systems such as intelligent management, temperature control, and fire protection. It is safe and efficient, can be flexibly expanded, and is suitable for multiple scenarios such as industrial and commercial applications and grid side. It devotes to creating intelligent, reliable, and efficient energy solutions for the industrial and commercial fields, helping to optimize energy efficiency and significantly improve power supply stability

Highly integrated
Standard container design, flexible layout, saving installation space, reducing floor area, lowering the difficulty of system installation and commissioning, and shortening the project construction cycle

Cost-effective
Intelligent charge and discharge management to extend battery cycle life.Intelligent liquid cooling temperature control to reduce system auxiliary power consumption

Safe and reliable
Intelligent monitoring and linkage to ensure system safety
Fire detectors are paired with gas fire protection

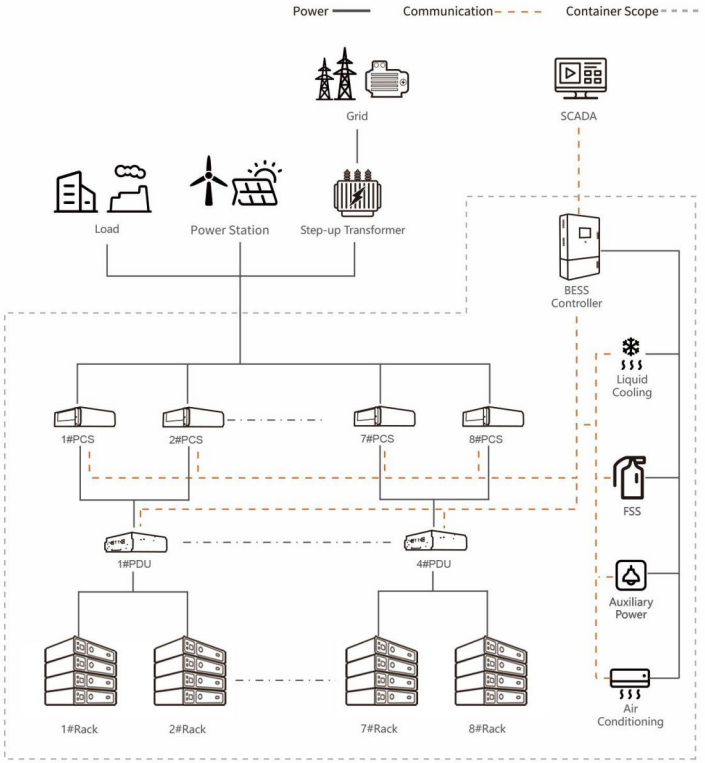
Intelligent and user-friendly
Support off-grid and on-grid switching to cover diverse application scenarios.Integrate local controllers to achieve comprehensive management at the device layer.

System battery energy 2150kWh

Rated power 1000kW

Product Name	ES3344
Battery Parameters	
Battery Cell Type	LFP
Battery Cell Specification	314Ah
Continuous Cycle Life of The Battery Cell	cycling at 25°C for 6000 times/at 45°C for 3000 times (≥80%*SOH)
String Configuration	1P104S
Numbers of Battery Clusters	8
Rated Energy	3344kWh
Rated Voltage	1331.2V
Voltage Range	1164.8~1498V
Battery Pack Parameters	332.8V/314Ah 1P104S
Battery Temperature Control Method	Liquid Cooling
Parameters on the AC Side	
AC Rated Power	1720kW
Rated Voltage	690V
AC Rated Current	1440A
Communication Output Method	3P3W
AC Power Factor	-1(Ahead)~1(Lag)
THD-I	<3%
System Parameters	
Operating Temperature Range	0~45°C
Storage Temperature Range	-20~50°C
Humidity	0 ~ 95 % RH,No Condensation
Maximum Operating Altitude	2000m
Protection Grade	IP55
Corrosion protection level	C4
Standard Fire Protection Equipment	Aerosol + Open Water Spray System
Communication Interface	CAN/RS485/Ethernet
Communication Protocol	Modbus TCP/RTU
Product Dimensions (W * D * H)	6058*2438*2896mm
Weight	<30t
Applicable Scenarios	Power Generation Side / Grid Side / User Side
Certification	IEC CE UN38.3

System topology diagram



ES5015 Liquid Cooled Energy Storage System

ES5015 is a highly integrated energy storage solution. It is a liquid-cooled energy storage system with lithium iron phosphate batteries at its core, integrating systems such as intelligent management, temperature control, and fire protection. This system features high power density, flexible deployment, and convenient transportation, and can be widely applied to the power generation side, grid side, and user side to achieve functions such as peak shaving and valley filling, improving power quality, and serving as backup power.

Highly integrated
Standard container design, flexible layout, saving installation space, reducing floor area, lowering the difficulty of system installation and commissioning, and shortening the project construction cycle

Cost-effective
Equipped with 314Ah high-energy-density cells for cost reduction and efficiency improvement, plus highly integrated intelligent thermal management for lower energy consumption.

Safe and reliable
Intelligent monitoring and linkage to ensure system safety
Fire detectors are paired with gas fire protection

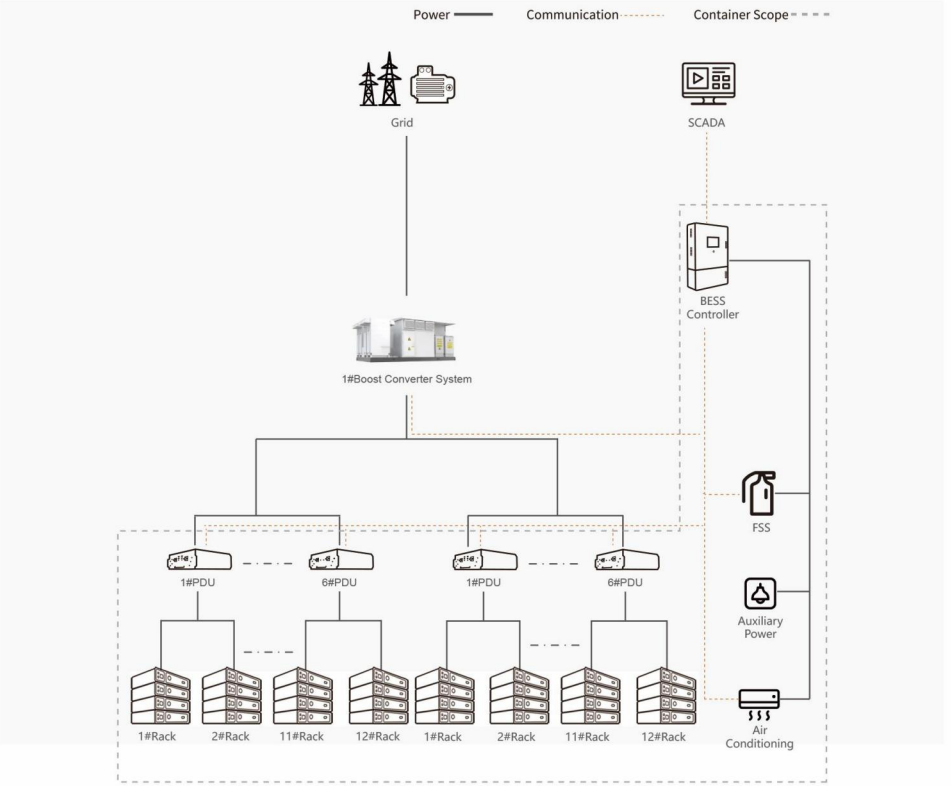
Intelligent and user-friendly
Support off-grid and on-grid switching to cover diverse application scenarios.Integrate local controllers to achieve comprehensive management at the device layer.

System battery energy 5015 kWh

Rated voltage 1331.2V

Product name	ES5015
Battery Parameters	
Cell type	LFP
Cell specification	314Ah
Continuous Cycle Life of The Battery Cell	cycling at 25°C for 8000 times/at 45°C for 3000 times (≥70%*SOH)
Battery pack parameters	332.8V/314Ah 1P104S
String Configuration	1P416S
Number of battery clusters	12
Rated energy	5015kWh
Rated voltage	1331.2V
Voltage range	1164.8~1497.6V
Battery Temperature Control Method	Liquid Cooling
System Parameters	
Operating Temperature Range	0~45°C
Storage Temperature Range	-20~50°C
Humidity	0 ~ 95 % RH,No Condensation
Maximum Operating Altitude	2000m
Protection Grade	IP55
Corrosion protection level	C4
Standard Fire Protection Equipment	Aerosol + Open Water Spray System
Communication Interface	TCP/485/CAN
Communication Protocol	IEC104/IEC61850/Modbus TCP
Product Dimensions (W * D * H)	6058*2438*2896mm
Weight	<30t
Applicable Scenarios	Power Generation Side / Grid Side / User Side
Certification	**EN/UN38.3**

System topology diagram



Serving

12+

Countries Worldwide

10+

Longest operational service life

Case Studies

630kW Solar PV + 860kWh Microgrid System

Romania

103MWh Liquid-Cooled Energy Storage System

China

11.76MW/13.046MWh Microgrid System

Denmark

200kW/465.92kWh Microgrid System

Netherlands

Case Studies

1600kW/3440.64kWh Microgrid system

Czech

70MWh BESS System in Hangzhou, Zhejiang

China

1000kW/2150kWh Microgrid System

Germany

50kW/100kWh Microgrid System

China