

HENGTONG ENERGY STORAGE

江苏亨通储能科技有限公司 Jiangsu Hengtong Energy Storage Technology Co., Ltd



Global Energy Interconnection System Integrator and Service Provider

As the global energy structure accelerates low carbon transformation, renewable energy such as solar and wind power will become the main source of energy supply in the future.

In order to meet the challenges of "more energy" and "less carbon emission", hengtong energy storage technology co. Ltd has proposed smart energy services for various industries, focusing on renewable energy and energy storage business, committed to green energy utilization and efficient energy management, providing photovoltaic, industrial and commercial and household energy storage, multi-energy complementary microgrid, regional energy storage, and intelligent energy management to help the sustainable development of global green energy.



Group Profile



Hengtong Group

Hengtong Group is a national innovative enterprise in fields of optical fiber network, smart grid, big data, Internet of Things, new energy and new materials, financial investment, etc. In China. It is the largest system integrator and network service provider with more than 70 wholly-owned and holding companies (including 3 listed companies).

- Largest system integrator and network service provider in the fields of optical fiber network and smart grid in China
- Top 500 Companies of China
- Top 100 Private Enterprises in China

- Top 3 Global Optical Fiber Communication
- Top 5 in the field of ocean power and ultrahigh voltage power transmission all over the world





(million dollars)

Hengtong Group Total annual revenue



& Business Layout

Extending business around the world

We are committed to building an international company with high technology, high quality and global competitiveness

operates business in more than 150 countries and regions

37 marketing centers

Overseas

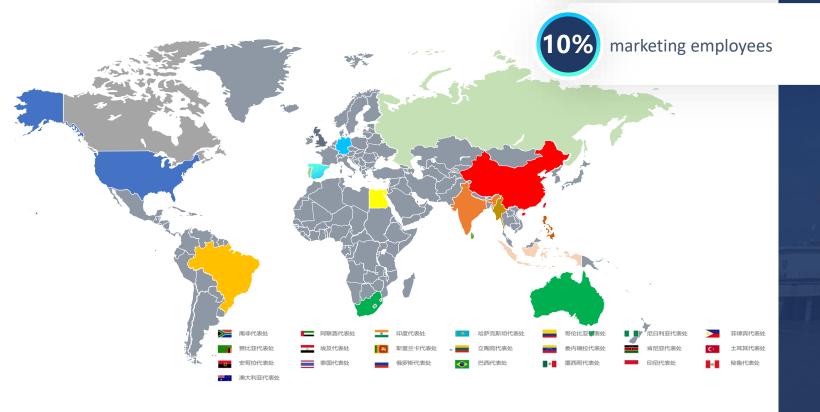
11 industrial bases

Set overseas factories in 11 count ries and regions (South Africa/Bra zil/Spain/Portugal/India/Indonesia/ Germany/Egypt)

Domestic

Cover 13 provinces

Jiangsu,Anhui/Zhejiang/Shanghai Shangdong/Liaoning Heilongjiang Beijing/Tianjin/Shanxi Sichuan Guangdong/Fujian/Xianggang





Scientific Ability

The company has more than 4000 authorized patents, including 622 invention patents and 28 international patents. It has presided over or participated in the formulation of 337 international, national, industrial and group standards, and undertaken more than 300 provincial and ministerial projects such as national 863 Program and National Key Research and development Program.

National Enterprise Technology Center/Innovation Center
Postdoctoral Research station
Academician Workstation
State and Provincial Key Laboratory
Provincial engineering technology research Center/Technology Center





| 13 industrial research and development centers |
|---|
| Optical Fiber Preform Technology Center |
| New Optical Fiber Engineering Technology Center |
| Wireless Transmission Technology Center |
| Photoelectric transmission Testing Experimental Center |
| Photoelectric Transmission Technology Center |
| Ultra High Voltage Technology Center |
| Ocean Technology Center |
| Power IoT Technology Center |
| New Energy Research Institute |
| High-end RF Chip Research and Development Center |
| Optical Device Sensor and Optical Network Technology Center |
| Intelligent Equipment Technology Center |
| New Material Technology Center |



Six Industrial Groups & Two Business Segments

1 Communication Industry Group

It consists of business segments such as optical communication, copper cabl e communication, 5G communication a nd new communication business.

It consists of real estate, cultural touris m, big data industrial park and other bu siness units

5 Culture ,Tourism and Real Estate Segment

2 Electric Power Industry Group

It consists of 5 business segments (sm art grid, ocean energy, overseas comm unications, renewable energy and new energy materials)

It consists of 8 business units related t o financial leasing, life insurance, guar antee, micro-credit and so on.

6 Financial Holding Group

3 New Material Development Group

It consists of new materials, high-end metal materials

It has 10 overseas industrial companie s and 3 business divisions

7 Communication Operating Segment

4 International Business Group

It has 11 overseas industrial companie s and 3 business divisions.

It consists of 6 investment companies.

8 Investment Holding Segment







Renewable Energy Distribution



Hengtong ESS

Jiangsu Hengtong Energy Storage Technology Co., LTD is a wholly-owned subsidiary of Hengtong Group. The company aims to provide customers with "more efficient energy", "cleaner energy" and "less carbon emissions". It focuses on renewable energy and energy storage business and is committed to green energy utilization and energy efficient management. The company provides energy system solutions such as photovoltaic, industrial and commercial energy storage, multi-energy complementary microgrid, regional energy and intelligent energy management to help the sustainable development of global green energy.



Developme nt operator



Equipment supplier



System Integrator



The world's leading solution provider of photovoltaic and

energy storage

- The world's leading photovoltaic power station developer and system integrator Develop, build and operate PV + energy storage power stations in 10+ countrie s and regions
- Photovoltaic: by June, 2022, 400+MW installed and grid-connected, 100+MW under construction and to be built, 200+MW under development
- Energy storage: 20MWh constructed, 100+MWh under development



400+MW PV installed

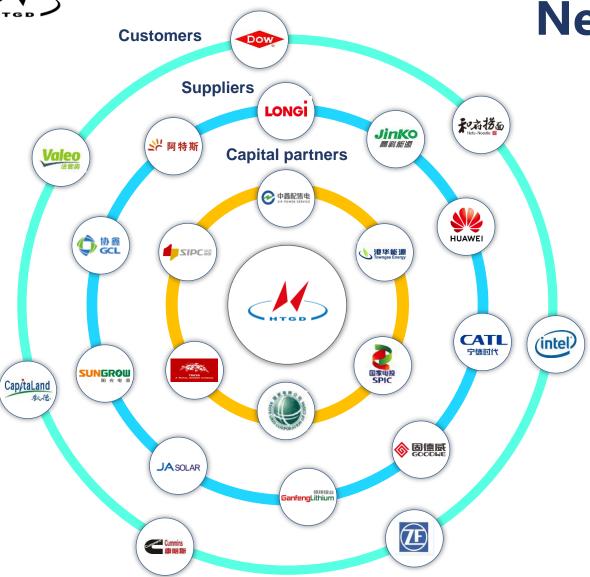


20MWh ESS constructed















Business Layout







Household ESS

Household ESS

12V Battery Product

Portable Energy Storage

C&I ESS

210 kWh Product

Utility ESS

Container Energy Storage System

Digital Energy Management



Application scenarios











- a. Frequency control
- b. Smooth wind and solar output power
- c. Output plan follow up
- d. Local consumption, reduce wind and sol ar abandonment
- e. Active power control and reactive power compensation
- a. Delay transmission equipment i nvestment
- b. Improve power quality and syste m reliability
- c. Maintain voltage stability of tran smission network
- a. Ease peak load demand and d elay network upgrade and expans ion
- b. Deal with the fault and ensure the stability of power supply
- a. Access to Auxiliary Distributed Power
- b. Deal with peak load demand, peak-valley arbitrage
- c. Backup power supply, UPS/EP S
- d. Peak shaving and valley filling
- e. Dynamic expansion
- f. Off-grid applications



Energy StorageHousehold energy storage system

Household energy storage systems are mature lithium iron phosphate battery products, suitable for a variety of power range and off-grid household energy storage scenarios. Household storage lithium battery integrated with self-developed high-performance battery management system BMS, with system overvoltage, system under voltage, single over-voltage, single under voltage, charging overcurrent, discharging overcurrent, insulation fault protection and other protection functions, as well as RS485, CAN, dry contact communication functions, to achieve remote monitoring, to enhance the user experience.

Product modality

Wall-mounted household storage battery/Rack type household storage battery Floor type home storage battery

Product voltage

Low-voltage household storage battery system High-voltage household storage battery system

System configuration

Split type household storage system Integrated household storage system



48V Energy Storage Module HT-48V100



Single Phase/Three Phase AC Hybrid Inverter HT-SK5KHB-120 HT-SK10K3H/ES



Household energy storage battery cabinet HT-48V200C HT-48V400C HT-204V100C



Integrated Energy Storage Cabinet for Household HT-V6KL20ES HT-V12KH20AS



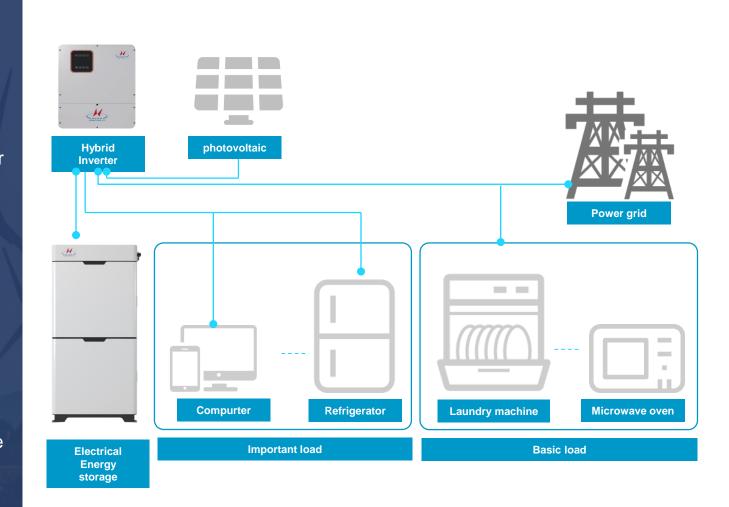
Energy Storage Household energy storage system

Applicable Scene:

- a. Europe, North America, Southeast Asia, South Africa, Australia and other household use
- b. Photovoltaic energy storage for household use

Application Functions:

- a. Photovoltaic absorption, photovoltaic completely spontane ous self-use
- b. Arbitrage peak-valley spreads
- c. Off grid micro energy net
- d. Backup power supply guarantee, not afraid of power failure

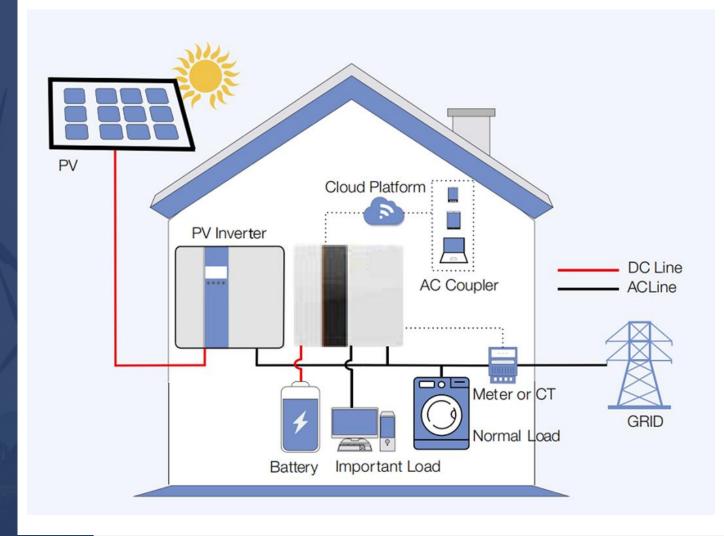




Family Household AC Coupling

The energy storage converter devices can be installed with PV power syste m together on the AC side. So that to save electrical charge.

 AC couplers and PV inverter can work toge ther to form PV+ESS.





| Battery module Parameters | | | | | |
|---|-------|---------------------|------|--|--|
| Specifications | Units | HT48V100-P HT48V100 | | | |
| Nominal voltage | V | 5 | 51.2 | | |
| Nominal capacity | Ah | , | 100 | | |
| Rated energy | Wh | 5 | 120 | | |
| Operating voltage range | V | 44.8~54.4 | | | |
| Maximum continuous charging current | А | 100 | | | |
| Maximum continuous discharge current | А | 100 | | | |
| Cycle life | / | 6000C@80%DOD | | | |
| Size | mm | 442*400*133 | | | |
| Weight | kg | 43 | | | |
| Communication mode | / | CAN、RS485 | | | |
| Current limiting function | Α | 10&20 | | | |
| Maximum number of series and parallel connections | set | 16P 5S | | | |

Household energy storage system 48V Energy storage module



48V Energy Storage Module

- a. Advanced battery production technics
- b. Wide operating temperature range
- c. Low loss, high efficiency, cluster type temperature control system
- d. The replacement can be plug and play, quick maintenance
- e. Safe and reliable, with high specific energy and long life
- f. Suitable for household energy storage and communication industry

Household energy storage system Hybrid Inverter



Hybrid Inverter

Flexibility and Practicality

Integrated wall hanging design, small space occupat ion

Easy to install, easy to maintain

High Yield

Suitable for the transformation on grid-connected power system

It increases the ratio of consumption to absorption of renewable energy

High Reliability

Secure and stable monitoring of BMS system Compatible with function of Anti reverse current, so as to conduct reverse battery connection protection.

Smart Energy

Compatible with energy storage systems of lead-aci d batteries and lithium batteries.

Supports automatic power source switching Remote configuration and upgrade

Power dispatching and demand response

Distributed virtual power station management



| Product Performance | | Parameters | | |
|---------------------|--------------------------------------|---|---|--|
| Product type | | Low Voltage Single-phase AC Hybrid Inverter HT-5KSES | High Voltage Three-phase AC Hybrid Inverter HT-SK10K3H/ES | |
| IV | laximum efficiency | 97.30% | 98% | |
| Input | Maximum input power | 9kW | 15kW | |
| paramete | Voltage range | 70V-520V | 180V-850V | |
| rs | Maximum input current | 15A/15A | 16A/16A | |
| | The matched battery type | Lead-acid Batte | ry/Lithium Battery | |
| Battery | Battery voltage range | 48V | 125-600V | |
| system | Maximum charge /discharge current | 120A/120A | 50A/50A | |
| Power | Rated output power | 5kW | 10kW | |
| grid output | Voltage range | 220Vac/150Vac - 300Vac(adjustable) | 400Vac/360Vac - 440Vac(adjustable) | |
| | Maximum output current | 25A | 15.9A | |
| 0454 | Rated output power | 5kW | 10kW | |
| Output | Rated output current | 21.7A | 15.9A | |
| | Rated output voltage | 230Vac | 400Vac | |
| | Communication mode | RS485,WIFI,LAN(s | electable),CAN,DRM | |
| | Size (W*H*D) | 515*450"175mm | 530*565*220mm | |
| Output | Weight | 27kg | 27kg | |
| Others | Certifications (Ready By Jan, 23) | VDE-AR-N4105,IEC61727/62116,AS 4777,2, EN 50549-1(Grid); IEC62109-1&2,IEC62040-1,IEC62477- 1(Safety) | VDE-AR-N4105,IEC61727/62116,AS 4777,2, EN 50549-1(Grid); IEC62109-1&2,IEC62040-1,IEC62477- 1(Safety) | |

Household Energy Storage System Battery Cabinet

| Product Performance | Parameters | | | |
|--------------------------------------|--|---------------------|---------------------|--|
| Product type | HT-48V200C HT-48V400C | | HT-204V100C | |
| Rated voltage | 51.2V | 51.2V | 204.8V | |
| Voltage range | 44.8V-57.6V | 44.8V-57.6V | 179.2V-217.6V | |
| Rated capacity | 200Ah @0.2C,25℃ | 400Ah @0.2C,25°C | 100Ah @0.2C,25°C | |
| Rated energy | 10.24kWh @0.2C,25℃ | 20.48kWh @0.2C,25°C | 20.48kWh @0.2C,25°C | |
| Charge/Discharge current | maximum:100A @25°C | maximum:200A @25℃ | maximum:100A @25℃ | |
| Communication mode | CAN/RS485 | CAN/RS485 | CAN/RS485 | |
| The ability to expand capacitance | 8P | 4P | 4P | |
| Self-discharge | ≤3%/month | ≤3%/month | ≤3%/month | |
| Protective function | over & under voltage safeguard /over-current protection/short-circuit protection /over/under temperature protection,etc. | | | |
| Protection grade | IP20 | IP20 | IP20 | |
| Cooling mode | air cooling | Air cooling | Air cooling | |
| Cycle life | ≥6000次80%DOD,@25℃ | ≥6000次80%DOD,@25℃ | ≥6000次80%DOD,@25℃ | |
| Size(W*H*D) | 640*680*350mm | 640*1200*350mm | 640*1200*350mm | |
| Weight | 118kg | 227kg | 227kg | |
| Certifications (Ready By Jan, 23) | IEC62619,IEC62620, EN61000, UN38.3 | | | |
| Operating Temperature | Charging: 0~ +60°C, Discharging: -20~ +60°C | | | |
| Altitude | 0~4000m(derating use when exceed 2000m) | | | |





b. Multiple cabinets stacked and connected togeth

er, it is easy to expand capacitance at will

c. Built-in system protection, it is safer

d. Flexible installation, it is easier for operation and maintenance

e. Innovative appearance, fashion and more attenti ve services





HTGD

Household Energy Storage System

Split Household Series



Battery Cabinet

| | 5kW/10kWh | 5kW/20kWh | 10kW/20kWh |
|---|-------------------|-------------------|--------------------|
| Inverter PV efficiency | 97.3% | 97.3% | 98.2% |
| Inverter battery efficiency | 94% | 94% | 96% |
| Inverter PV power | 9000W | 9000W | 13000W |
| Inverter PV voltage | 550VDC | 550VDC | 180-850VDC |
| Inverter battery power range | 40-60VDC | 40-60VDC | 125-600VDC |
| Inverter maximum charge and discharge current | 120A | 120A | 50A |
| Inverter output voltage | 230VAC | 230VAC | 400VAC |
| Inverter output power | 5000W | 5000W | 10000W |
| power factor | 0.99 | 0.99 | 0.99 |
| switching time | 10ms | 10ms | <20ms |
| Inverter protection grade | IP65 | IP65 | IP65 |
| Inverter size(W*H*D) | 515mm*450mm*175mm | 515mm*450mm*175mm | 530mm*565mm*220mm |
| Battery module size(W*H*D) | 640mm*680mm*350mm | 640mm*680mm*350mm | 640mm*1280mm*350mm |
| Battery module voltage | 51.2V | 51.2V | 51.2V |
| Battery module capacity | 100Ah | 100Ah | 100Ah |
| Battery module number | 2P | 4P | 4S |
| Battery module protection grade | IP20 | IP20 | IP20 |

Features

Stylish appearance, simple split-type design, easy installation Wall-hanging type inverter design for space-saving Compatible with a variety of batteries, customized combinatorial system of inverter and energy storage Natural cooling, low noise Household smart energy management terminal, Supporting remote configuration and upgrade



Household energy storage system Integrated household series





- a. Fashion appearance, lightweight and simple
- b. Expandable system design, convenient capacity expansion supports a maximum of 4 cabinets in parallel
- c. The battery is protected by reverse press connection
- d. Wide input voltage range
- e. IP20 protection grade, integrated design, save installation space
- f. Highly integrated, intelligent energy management system

Energy Storage 12V battery



12V series is the mature lithium iron phosphate battery, the shell is the same as lead-acid batteries, can directly replace the lead-acid batteries, but its use, charge and discharge rate and life cycle are significantly better than lead-acid batteries. It can be widely used in telecommunications, transportation and financial fields.

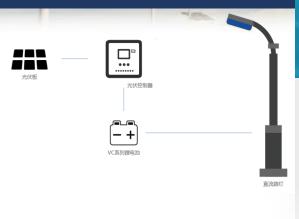
off-grid home energy storage system

photovoltaic street lamp power supply system

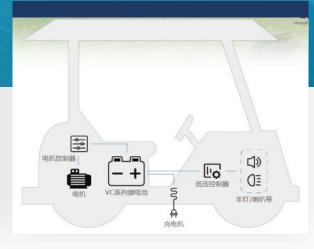
marine power battery

off-road vehicle batteries









12V battery

| product model | VC12150 | VC12180 | VC12200 | VC12240 |
|--------------------------------------|-------------|-------------|-------------|-----------------|
| nominal voltage | 12.8V | 12.8V | 12.8V | 12.8V |
| operating voltage range | 10.8V~14.6V | 10.8V~14.6V | 10.8V~14.6V | 10.8V~14.6 V |
| rated capacity | 150Ah | 180Ah | 200Ah | 240Ah |
| Maximum continuous charging current | 100A | 100 A | 100 A | 100A |
| Maximum continuous discharge current | 100A | 100A | 100 A | 100A |
| cycle index/80%DOD | 3000C | 3000C | 3000C | 3000C |
| size (length*width*height)mm | 520*270*220 | 520*270*220 | 520*270*220 | 520*270*220 |
| weigh(Kg) | 31.5 | 31.5 | 31.5 | 31.5 |
| IP grade | IP65 | IP65 | IP65 | IP65 |
| Terminal type | M8 | M8 | M8 | M8 |
| connection type | 4S/4P | 4S/4P | 4S/4P | 4S/4P |

| product model | VC1208 | VC1212 | VC 1220 | VC1236 | VC 1250 |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|
| nominal voltage | 12.8V | 12.8V | 12.8V | 12.8V | 12.8V |
| operating voltage range | 10.8V~14.6V | 10.8V~14.6V | 10.8V~14.6V | 10.8V~14.6V | 10.8V~14.6V |
| rated capacity | 8Ah | 12Ah | 20Ah | 36Ah | 50Ah |
| Maximum continuous charging current | 8A | 12A | 20A | 36A | 50A |
| Maximum continuous discharge current | 8A | 12A | 20A | 36A | 50A |
| cycle index/80%DOD | 3000C | 3000C | 3000C | 3000C | 3000C |
| size (length*width*height)mm | 151*65*94 | 151*65*94 | 181*77*170 | 197*165*170 | 223*150*178 |
| weigh(Kg) | 0.95 | 1.4 | 2.3 | 4.5 | 5.6 |
| IP grade | IP65 | IP65 | IP65 | IP65 | IP65 |
| Terminal type | F2 | F2 | M5 | M6 | M6 |
| connection type | 4P | 4P | 4P | 4P | 4P |



12V High capacity



Portable Energy Storage

300Wh/500Wh/600Wh



| Parameter/Model | Q500 |
|----------------------|--|
| Energy | 505.44Wh |
| Inverter | Pure sine wave Rated power: 500W Peak power: 1000W |
| Output | AC *2 USB-A* 2 (5V 2.4A *2) USB –C*2 (PD60W & 5V/3A) DC 12V/10A |
| Input | DC 12V ~ 30V/3.5A Car charge Solar charge |
| Size | 300 x 210 x 200mm |
| Mode of construction | Hand held style |



Large capacity lithiumion batteries



Comes with a variety of charging ports



Supports simultaneous power consumption of multiple devices



The exterior design is light and portable



With SOS emergency lights



Multi-scenario Application





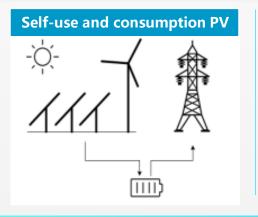
Industrial and commercial energy storage systems application scenarios

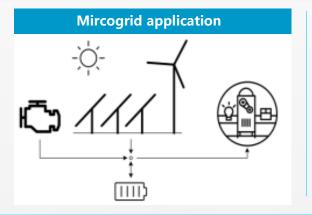
Industrial and commercial energy storage is mainly applied in gridconnected and off-grid mode.

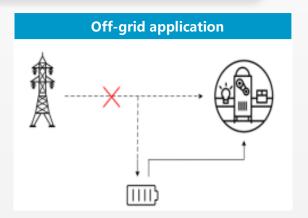
- a. Increase the price difference income of end customers at peak and valley prices
- b. Backup power loss reduction under power failure
- c. Electricity demand in off-grid environment
- d. Energy storage requirements of microgrid



Price difference at peak and valley









Industrial and commercial energy storage systems product series

—— Air-cooled combination cabinet (PV and energy storage integrated)

Product Features Integration design

- a. High system integration, high energy density
- b. Intelligent thermal management

Flexible configuration

a. Supports LCL and combination for flexible Layout

Safe and stable

- a. Good running temperature uniformity, the whole s ystem temperature difference is small
- b. Built-in multiple safeguards such as fire protectio
- n, temperature control and early warning system;

Convenient installation

a. Simple structure, flexible installation, convenient operation and maintenance

| category | tegory Specificationcation Technical paramete | |
|-------------|---|---|
| | Rated PV power | 100kW |
| PV Input | Max. PV power | 110kW |
| PVIIIput | PV voltage range | 200-1000V (500 ~ 900V Full load) |
| | Max. PV input current | 110A |
| | Rated AC power | 100kW |
| | Max.AC output power | 110kW |
| | PCS output voltage | 400VAC |
| AC Output | Nominal output frequency | 50-60HZ |
| AC Output | Rated AC current | 114A |
| | Back-up time | 30ms |
| | Max.efficiency | 97.30% |
| | Grid connection type | 3W+N+PE / 3W+PE |
| 149 | System capacity | 215.04 |
| | Nominalcapacity | 280Ah |
| Battery | Nominal voltage | 768V |
| System | attery operating voltage range | 672-852 |
| | Max.charge/discharge current | 150A DC |
| | Cooling concept | air cooling, air conditioning or heat exchanger |
| General | Ingress protection degree | IP54 |
| Parameter | Weight | Approx. 2800kg |
| T araineter | Dimensions (W*D*H) | 1800*1200*2300mm |
| | Communication interface | RS485, CAN, Network, Dry contact |



100kW/215kWh
Energy storage systems
(Supporting PV and energy
storage integrated)



Industrial and commercial energy storage systems product series

Product Features Integration design

- a. High system integration, high energy density
- b. Intelligent thermal management

Flexible configuration

a. Supports LCL and combination for flexible Layout

Safe and stable

- a. Good running temperature uniformity, the whole s ystem temperature difference is small
- b. Built-in multiple safeguards such as fire protectio
- n, temperature control and early warning system;

Convenient installation

a. Simple structure, flexible installation, convenient operation and maintenance

| Category | Specification | Technical parameters |
|-------------------|-------------------------------|----------------------------------|
| | Burst mode | 1P52S |
| | Nominal voltage | 166.4V |
| | Operating voltage range | 145.6V~187.2V |
| | Rated capacity | 280Ah |
| Battery module | Voltage sampling quantity | 52 points |
| | Temperature sampling quantity | 20 points |
| | Rated power | 46.592kWh |
| | Charge/discharge ratio | 0.5C |
| | BMU | Built-in 52S active equalization |
| | Rated voltage | 748.8V |
| | Operating voltage range | 655.2V~842.4V |
| Battery | Rated Energy | 209.664kWh |
| system | Charge/discharge ratio | 0.5C |
| | Burst mode | 1 parallel, 234 series |
| | Cooling mode | Liquid cooling board |



210kWh energy storage systems

Industrial and commercial energy storage systems product series



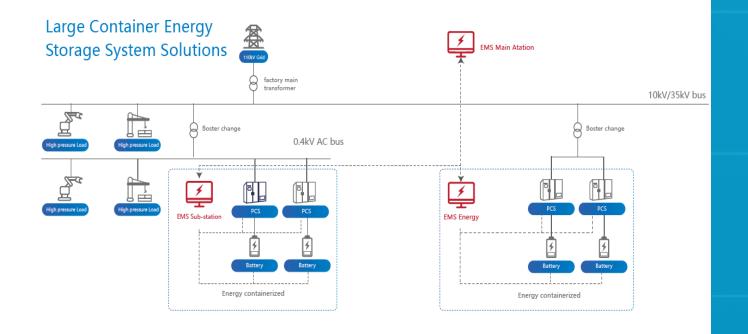


Product Functional Advantages

- a. Multi-cabinet combination expansion, capacity design range is wide, on-site assembly is simple and convenient
- b. Single cluster single channel independent control, discharge depth is more than 95%
- c. Equipped with self-developed SCR switching device, it can realize 10ms on-grid and off-grid fast switching
- d. Constant temperature control of liquid cooler, temperature difference of electric cell can be controlled within 4°C, effectively ensuring the safety and high performance operation of the system
- e. Perfect application function, suitable for industrial park, micro grid, commercial and other scenarios

1 x N Combined Cabinet Energy Storage System

large container energy storage system



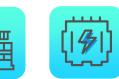














Dynamic Expansion



Frequency Modulation & Peak Shaving

Backup Power

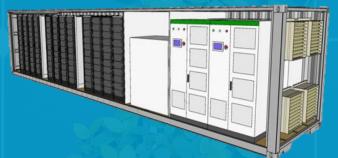
Peak Valley Arbitrage

Optimize Electricity Consumption





20ft Container ESSStandard Capacity: 2.26MWh



40ft Container ESS

Standard Capacity: 4.52MWh

large container energy storage system

Energy Storage Container Specifications

| Specification | 20ft container | | 40ft container |
|---|---|--|-----------------------|
| Power range | 0.4~1.2MW | | 0.8~2.4MW |
| Maximum energy stored | 2.26MWh | | 4.62MWh |
| Protection grade | IP54 | | IP54 |
| Output voltage | 380V | | 380V |
| Multiplying power | 0.25C/0.5C | | 0.25C/0.5C |
| Fire protection system | Three grades fire safety alarm and fire extinguishing system: fire warning, fire extinguishing by using perfluorinated hexanone gas, water spray cooling system | | |
| Cooling system | Air/Liquid cooling (on demand) | | |
| Overall dimensions(length x width x height) | 6.350mx2.438m×2.896m | | 12.192mx2.438m×2.896m |



Product Features

Intelligence and Flexibility

- Plug and play, support on-grid and off-grid operation
- Support cloud business analysis

Economical and Practical

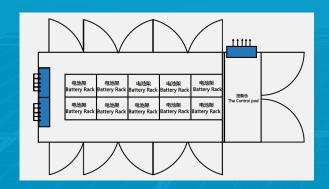
- Support peak cutting and valley fill ing, demand side response and ot her main functions
- Supports remote update of operat ion tactics and firmware upgrades

Safety and Reliability

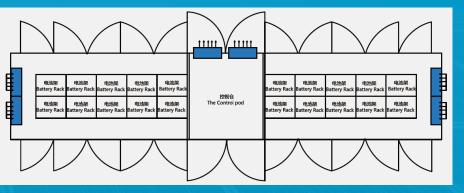
- fault-grading process
- Customized BMS and thermal management to provide
- complete measurement and protection functions;
- Three grades fire safety alarm and fire extinguishing system

Diversified Configurations

 Modular design, linear expan sion of battery units and ener gy storage PCS



Layout of a 20ft container energy storage system

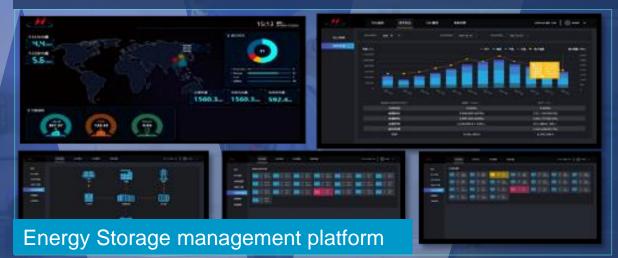


Layout of a 40ft container energy storage system

Digital energy management



Use digital means to help users achieve carbon footprint tracking and carbon assessment
Through the smart energy management platform, users' digital management level is improved, and all energy consumption data are visualized.











PROJECT CASES

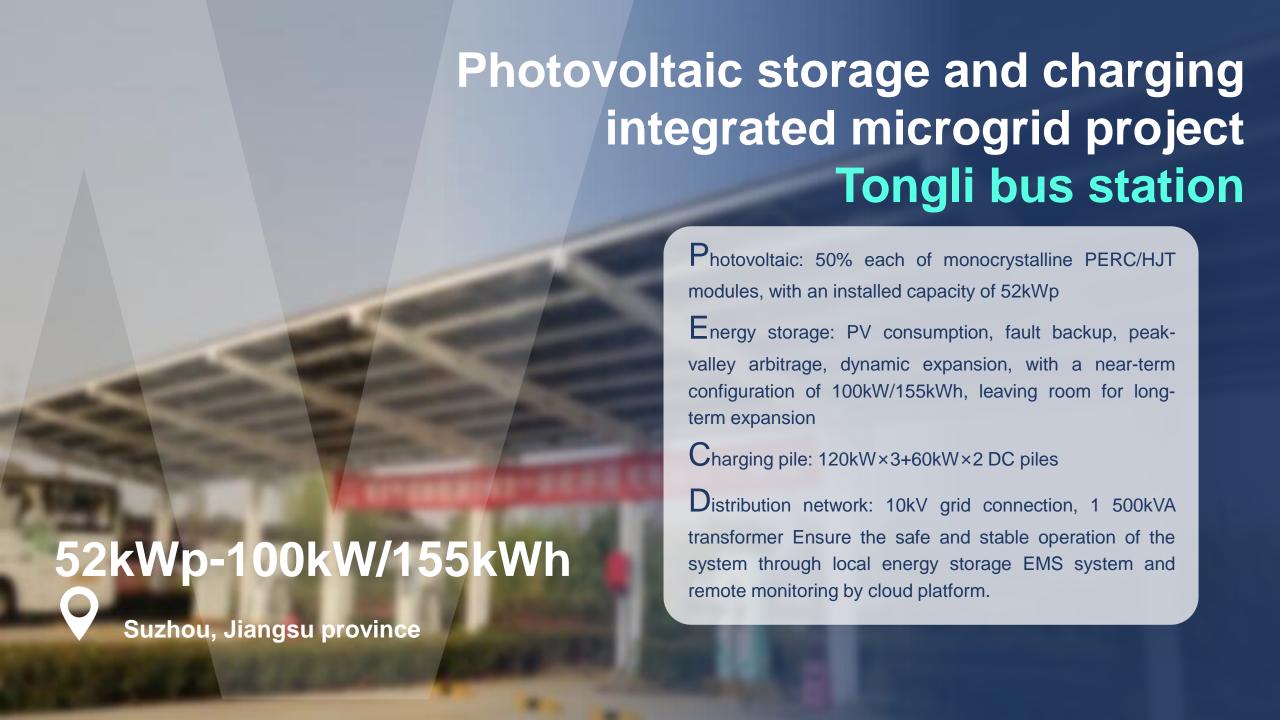
Industrial and commercial energy storage project Hengtong 2MW/8MWh energy storage project

Hengtong high voltage energy storage project is located in Changshu, Suzhou, Jiangsu Province. The project type is peak cutting and valley filling project. The system is equipped with 2MW/8MWh energy storage system and Hengtong smart energy cloud platform, with a total investment of 12 million.

Project achievements: 1) Reasonable allocation of charge and discharge time of energy storage system, management of electricity demand, and effective reduction of electricity expenditure; 2) Organically combine the energy storage management system with the industrial Internet system in the factory area to realize the information exchange between energy storage management and intelligent manufacturing management; 3) Smooth power fluctuation, improve power quality, and realize friendly grid-connection.

2MW/8MWh

Suzhou, Jiangsu province



Photovoltaic storage and charging integrated microgrid project in Yangzhong, Zhenjiang

The project is located in Yangzhong Binjiang Garden, Zhenjiang, Jiangsu Province. All landscape facilities in the park use photovoltaic power generation to self-cycle and form a microgrid.

Wind-light complementary street lamps are used on both sides of the road.

Streamline design of photovoltaic charging carport, each carport 2.5KW, a 30KW charging pile, to achieve green travel;

The solar seat is arranged beside the beach. The seat has its own energy storage, can charge mobile phones, support wireless and USB cable charging, and has its own body sensing lighting, so that every tourist can feel convenience brought by new energy.

After the project is put into operation, Binjiang Park will use 100% renewable energy to truly achieve the goal of zero carbon emissions.

400kWp-250kW/500kWh



Zhenjiang, Jiangsu province

