



HARNESSING THE POWER OF NATURE

Professional Energy Storage
System Solution Service Provider



Hengtong Group Co.,Ltd.

No 2288 Zhongshan North Road,Wujaing District, Suzhou City, Jiangsu Province

Jiangsu Hengtong Energy Storage Technology Co., Ltd.

No. 88, Hengtong Road, Wujiang District, Suzhou City, Jiangsu Province

- +86 0512 63951158
- www.jshtes.com
- www.htgd.com.cn

**HENGTONG
ENERGY STORAGE**

Jiangsu Hengtong Energy Storage Technology Co., Ltd.

HENGTONG GROUP



171th
Chinese Enterprises 500

TOP 3
Global Submarine Cable
Systems



50th
Top 100 Private Enterprises
in China

TOP 3
Global Marine Commu-
nications Systems



80th
China's Top 500 Manufact-
uring Enterprises

TOP 3
Top 3 Global Optical Fiber
Communication Companies



Hengtong Group is a high-tech international industrial group involved in optical fiber and optical networks, energy internet, intelligent IoT, new energy and new materials. Founded in 1991, the group is headquartered in Wujiang, Suzhou, a demonstration zone for the integrated development of the Yangtze River Delta. The group has more than 70 subsidiaries (including 5 listed companies at home and abroad), more than 20,000 employees (including more than 4,000 overseas), and a revenue of 25.3 billion USD. in 2023.

JIANGSU HENGTONG ENERGY STORAGE TECHNOLOGY CO., LTD.

Jiangsu Hengtong Energy Storage Technology Co., Ltd. (hereinafter referred to as "Hengtong Energy Storage"), established in 2019, is a subsidiary of China's Fortune Global 500 company, Hengtong Group Co., Ltd. (hereinafter referred to as "Hengtong Group"). It specializes in new energy businesses related to energy storage technology, system integration, photovoltaic energy storage integration, and microgrid solutions. Adhering to the core service philosophy of "enhancing energy efficiency, promoting clean energy, and reducing carbon emissions," Hengtong Energy Storage is deeply involved in the design, research and development, production, and manufacturing of energy storage products in multiple application scenarios such as power generation, grid-side, and user-side. They provide full-lifecycle management services covering engineering implementation to project operation, actively promoting the global transition to a low-carbon economy.

laboratory with first-class inspection and test equipments



Annual Single-shift Production of 2GWh

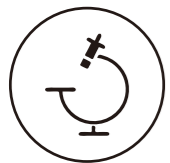
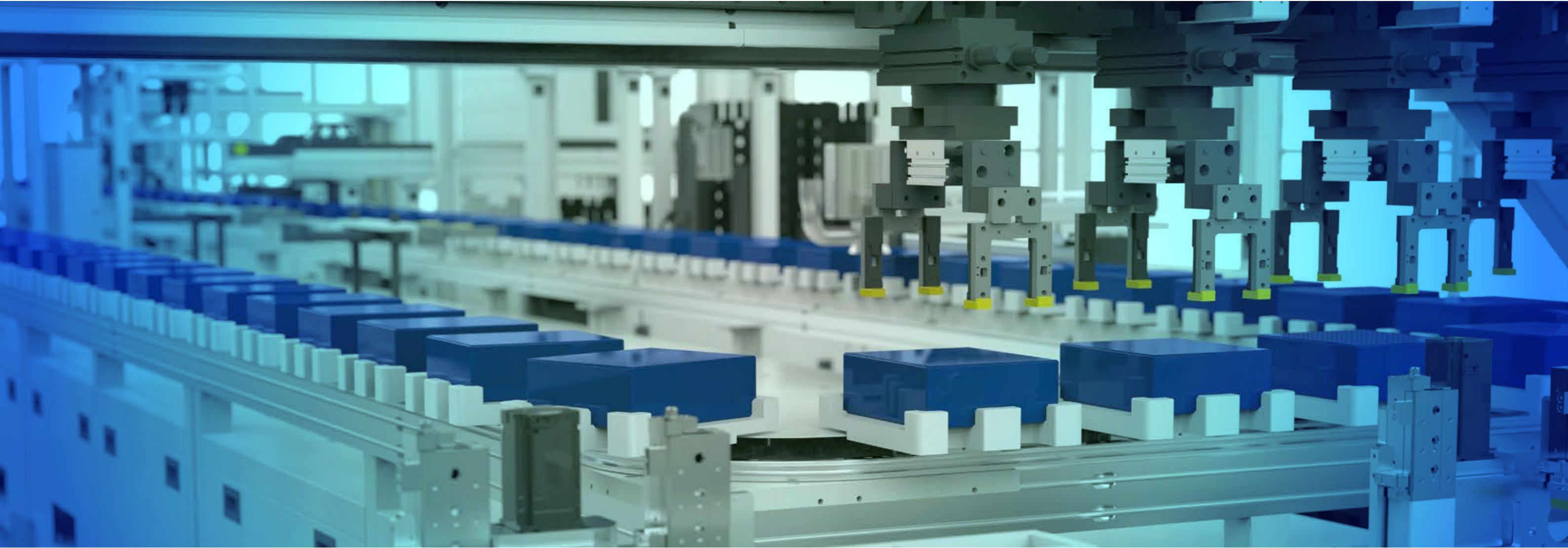


Qualifications and Honors



CORE COMPETENCE OF THE COMPANY

R&D | Quality | Production | After-sales



Independent R&D Capabilities

1. With mature R&D and design capabilities for core energy storage components such as energy storage battery PACK, BMS, EMS, and PCS.
2. The core R&D team all come from leading companies in the industry and have rich experience in energy storage product design and development.
3. Owns multiple national patents, products have independent intellectual property rights, and have passed multiple standard certifications.



Complete Quality Inspection

1. Certified with quality management systems such as ISO14001, ISO45001, and ISO9001.
2. Products are certified with standards such as UN38.3, IEC62619/63050/63056/61000.
3. Fully automated production line, 11 CTQ key processes, 41 quality control points, effectively ensuring quality.
4. WMS, MES, ERP, full-process control of the entire material receiving, production, and shipping process.



Intelligent Manufacturing Factory

1. Equipped with advanced 5G fully automated battery module and PACK production lines.
2. Provide customers with all-round customized services based on precision processing and high-quality performance testing.
3. Possess standard and complete production and manufacturing specifications, full-process technical quality control, and high-standard control of energy storage battery production quality.



Professional After-sales Service

1. Business covers more than 150 countries and regions around the world, with over 40 global sales and after-sales service outlets, which can help customers achieve timely and reliable after-sales technical support and services anytime and anywhere.
2. With 12 overseas physical manufacturing bases, it can provide rapid spare parts response capabilities to solve customers' multiple after-sales concerns.

ENERGY STORAGE PRODUCT CORE ADVANTAGES



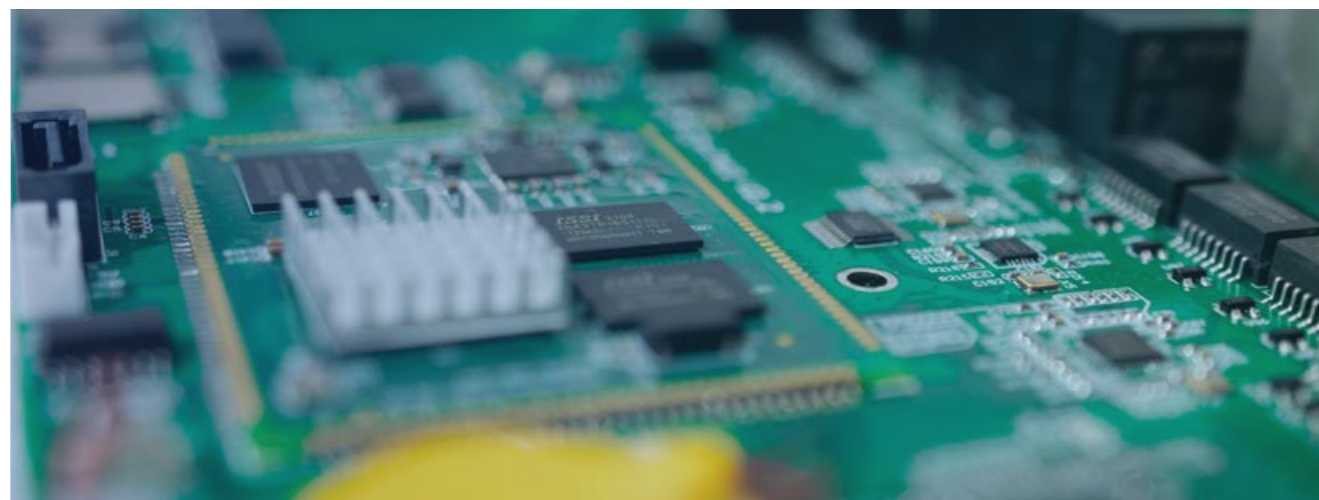
High Quality Battery

1. High safety - Lithium iron phosphate battery cells
2. High energy density - Store more energy under the same conditions
3. Long cycle life - Design life up to 15 years
4. High reliability - Top supplier in the industry



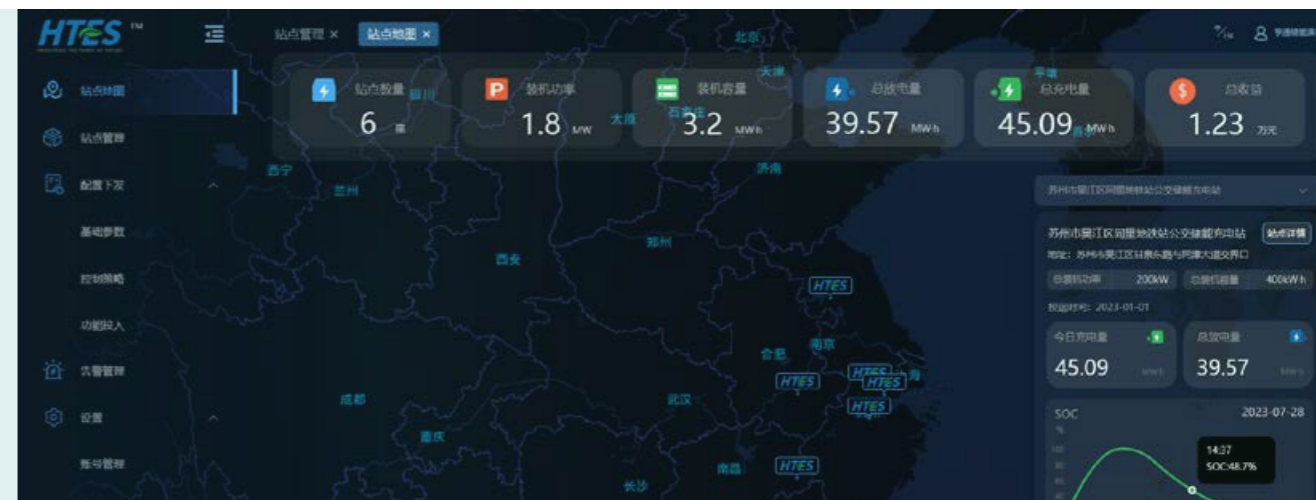
Safe And Stable BMS-battery Management System

1. High measurement accuracy - Voltage and current sampling error $\leq \pm 0.2\%$
2. Precise state estimation - SOC error $\leq 5\%$
3. Ultra-low power consumption - System power consumption $\leq 9W$
4. High safety - Three-level safety protection, 1500V withstand voltage test



Efficient EMS

1. High reliability - Meets the requirements of rigorous MEC Level 4/5 tests
2. High speed - Adopts advanced cloud-edge collaborative high compression ratio technology to achieve high speed and low traffic
3. Full compatibility - Supports common communication protocols such as RS485, CAN, and IEC 61850/104.



Smart Cloud Platform

1. Cloud expansion - Self-developed source code, supports API, and realizes VPP virtual power plant
2. Multi-support - Compatible with new energy devices such as photovoltaic, energy storage, and charging piles
3. Intelligent monitoring - Realizes functions such as data collection, monitoring, statistics, and reporting for hundreds of thousands of devices.

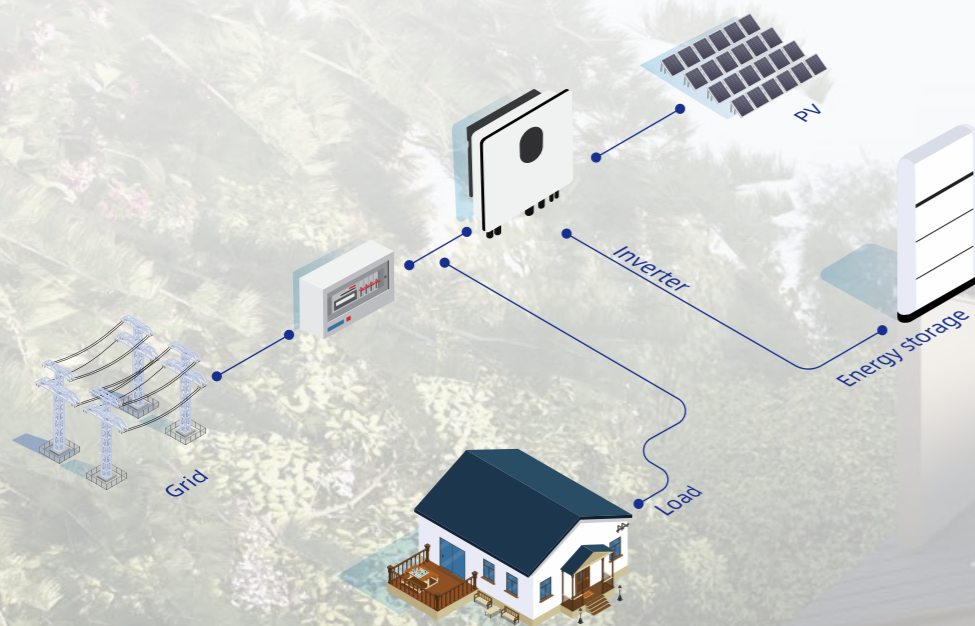
RESIDENTIAL ENERGY STORAGE SOLUTION

Photovoltaic (PV) energy consumption and self-sufficiency in photovoltaic energy

Peak-valley price spread arbitrage

On/off-grid microgrid

Backup power supply



Residential photovoltaic(PV) energy storage solutions are used in Europe, North Americas, Southeast Asia, South Africa, Australia, and other regions



HELIOS H7000

Residential Energy Storage System

High Voltage Version



Modular design, easy transportation
Parallel Multi-Cabinet, expand as needed



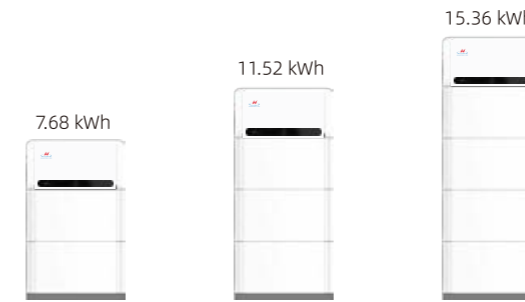
Built-in system protection, safer
Flexible installation, simpler maintenance



Ultra-thin new form factor
Ultra-high space utilization rate



- Quick-connect connector
- High-performance LFP battery
- Fixed bracket
- Convenient installation
- High resilience rubber cushioning pad
- Mature and reliable BMS
- Exquisite shell
- SOC Display



Category	HTESS-7.6K153C	HTESS-11.5K230C	HTESS-15.3K307C
Cell Type	LFP		
Standard Pack - String Union Number	24S1P		
Standard Pack - Rated Voltage	76.8V		
Standard Pack - Nominal Capacity	50Ah		
Standard Pack - Nominal Energy	3.84kWh		
Standard Pack - Weight	40±1kg		
Standard Bag - Size	718±2*365±2*152±2mm		
Standard Pack - Level Of Protection	IP54		
Number Of Standard Packs	2/pack	3/pack	4/pack
System Rated Voltage	153.6V	230.4V	307.2V
System Operating Voltage Range	134.4~172.8V	201.6~259.2V	268.8~345.6V
System Nominal Energy	7.68kWh	11.52kWh	15.36kWh
Rated Charge And Discharge Current	25A		
Maximum Charge And Discharge Current	30A		
Communication Method	CAN/RS485		
System Dimensions (L * H * D)	718±2*1125±2*152±2mm	718±2*1490±2*152±2mm	718±2*1855±2*152±2mm
System Weight	105±1	148±1	190±1
System Protection Level	IP54		
Cooling Method	Natural Cooling		
Operating Temperature	charge: 3°C ~ 55°C/discharge: -20°C ~ 55°C		
Relative Humidity Range	5~95%		
Installation Method	Landing		
Maximum Working Altitude	2000m		
Color Selection:	 Pearl white (standard optional) Zephyr grey (additional price matching) Time's green (additional price matching) Ink blue orchid (additional price matching)		

H5000

Category	Parameters		
Product Model	HTESS-10K 51.2B	HTESS-15K 51.2B	HTESS-20K 51.2B
Rated Voltage	51.2V		
Voltage Range	44.8V-57.6V		
Rated Capacity	200Ah @0.2C,25°C	300Ah @0.2C,25°C	400Ah @0.2C,25°C
Rated Energy	10.24kWh @0.2C,25°C	15.36kWh @0.2C,25°C	20.48kWh @0.2C,25°C
Charge/discharge Current	STANDARD 20A @25°C, MAX100A @25°C (SINGLE BATTERY PACK)		
Communication Method	CAN/RS485		
Protection Function	Over-voltage & under-voltage protection / over-current protection / short-circuit protection / over-temperature / under-temperature protection, etc.		
Protection Level	IP54		
Cooling Method	Nature Cooling		
Cycle Life	≥6000 Cycles, 80%DoD,@25°C		
Size (W*H*D)	700±2*1125±2*152±2mm	700±2*1490±2*152±2mm	700±2*1855±2*152±2mm
Weight	105±1 kg	150±1 kg	195±1 kg
Operating Temperature	charge: 3~ 55°C, discharge: -20~55°C		
Altitude	0~2000m		

- Quick-connect connector •
- High-performance LFP battery •
- Fixed bracket •
- Convenient installation •
- High resilience rubber cushioning pad •
- Mature and reliable BMS •
- Exquisite shell •
- SOC Display •



HELIOS H5000 Residential Energy Storage System Low Voltage Version

Stackable design, flexible configurations

10kWh



15kWh



20kWh



Modular design, easy transportation
Parallel Multi-Cabinet, expand as
needed



Built-in system protection, safer
Flexible installation, simpler
maintenance



Ultra-thin new form factor
Ultra-high space utilization rate

HELIOS 48100

(HTBP-48V100)

Advanced battery production technology with multiple performances such as wide temperature range, low loss, high efficiency, cluster temperature control system, plug-and-play replacement, quick maintenance, safe and reliable, high energy density and long lifespan, suitable for household energy storage and communication industries.

48100



- 3U standard chassis
High compatibility.
- Real-time monitoring of battery cells/voltage, and temperature.
- Advanced battery management system
Safe and reliable.
- Accurate SOC algorithm with automatic calibration.
- Maximum parallel connection of 15
- Uniform function of battery cells
extending battery life.

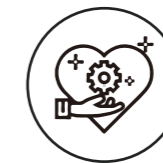
ITEMS	SPECIFICATION	REMARK
Battery Type	LFP	
Nominal Capacity	100.0 Ah	
Nominal Voltage	51.2 V	
Nominal Energy ^①	5.12kWh	
Rated Charge Voltage	56.8 V	
Max. Continuous Charge Current	50 A (1C)	
Discharge Cut-off Voltage	42 V	
Max. Continuous Discharge Current	50 A (1C)	
Allowed Operation Temperature Range	charging: 3-55°C discharging: -20~55°C	Recommended temperature range: 15°C ~35 °C
Weight	Approx. 41 kg	
Cycle life ^②	6000 cycles	15 years design life ^③
Relative Humidity	<95% RH	
Safety	IEC 62619;ENIEC 61000-6-1/2/3/4	
<small>Note: ① Test conditions: Based on the date of manufacture and batch, at 100% depth of discharge (DoD), +25°C, charge and discharge at a rate of 0.2C. ② Based on the test date and batch, the data is measured at +25°C with a depth of discharge (DoD) of 70%, a charge-discharge rate of 0.2C, and an EOL ≥ 70%. ③ At +25°C with 70% depth of discharge (DoD), 0.2C charge and discharge rate, it can meet the conditions of one charge and one discharge per day.</small>		



Intelligent protection



Long service life



Easy operation
and maintenance



High-temperature
resistant



Easy installation

HELIOS HS6K

Residential Single-Phase Hybrid Inverter

Hengtong Energy Storage's photo-voltaic energy storage integrated inverter is specially designed for residential and small commercial applications. It is compact, highly efficient, equipped with various protection functions, safe, reliable, intelligent, stable, and has a high protection level (IP65), with strong adaptability.



Photovoltaic Energy Storage Integrated System



High Compatibility



High Reliability



Multi-power Coverage



Strong Battery Voltage Adaptability



Supports Virtual Power Plant (VPP)

3-6kW

- Residential Smart Energy Management Terminal.
- Two charging modes available: photovoltaic and grid power.
- Millisecond-level switching between grid-connected and off-grid modes, supporting seamless and uninterrupted intelligent switching.
- Plug-and-play design, easy installation.
- Protection level up to IP65, wall-mounted design, space-saving.
- Cloud + intelligent data analysis, automatic sleep, UPS function for critical loads.

Model	HT-HBI-S3SH V1	HT-HBI-S4SH V1	HT-HBI-S5SH V1	HT-HBI-S6SH V1	
Off-grid Parameters	Rated Output Power	3000W	4000W	5000W	6000W
	Rated Voltage	220V/230V/240V			
	Rated Frequency	50/60Hz			
	Rated Output Current	13.6A	18.2A	22.7A	27.2A
Grid-connected Parameters	Output THDu	<2%			
	Rated Output Power	3000W	4000W	5000W	6000W
	Maximum Output Current	13.6A	18.2A	22.7A	27.2A
	Rated Grid Voltage	220V/230V/240V			
	Maximum Grid Input Current	13.6A	22.7A	27.2A	
	Grid Voltage Range	184-264V			
	Frequency Range	45-65Hz			
Photovoltaic Input	Maximum Input Power	4500Wp	6000Wp	7500Wp	9000Wp
	Starting Voltage	95V			
	Maximum Input Voltage	600V			
	MPPT Voltage Operating Range	80-550V			
	Full Load MPPT Voltage Range	350-500V			
	MPPT Quantity	2			
	Maximum Number Of Input Strings Per MPPT	1			
	Rated Input Voltage	360V			
	Maximum Input Current	13A/13A			
	Standard Parameters	Dimensions (W*H*D)	500mm*470mm*180mm		
Weight		23kg			
Noise		<25dB(A)			
Operating Temperature		-25°C~+60°C			
Cooling Method		Natural cooling			
Protection Level		IP65			
Human-computer Interaction		LED/APP/WIFI/Bluetooth			
Communication Interface		RS485/CAN/DRED/DO/Parallel port			
Protection		DC switch, DC insulation detection, Residual current detection, Anti-islanding protection, Overvoltage and overload protection, AC short-circuit protection, Overvoltage level: AC side: Level III, Battery and PV: Level II, Surge protection, Lightning protection-TYPE II, Input reverse insertion protection (PV & battery)			
Certification		Safety Certification	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2		
	EMC Certification	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4			
	Grid Connection Certification	VDE-AR-N 4105, G98, G99, CEI O-21, EN50549 NRS 097-2-1, AS 4777.2, R25			

HELIOS HT20K

Residential Three-Phase Hybrid Inverter

Hengtong Energy Storage's photo-voltaic energy storage integrated inverter is specially designed for residential and small commercial applications. It is compact, highly efficient, equipped with various protection functions, safe, reliable, intelligent, stable, and has a high protection level (IP65), with strong adaptability.



10-20kW

- Residential Smart Energy Management Terminal.
- Two charging modes available: photovoltaic and grid power.
- Millisecond-level switching between grid-connected and off-grid modes, supporting seamless and uninterrupted intelligent switching.
- Plug-and-play design, easy installation.
- Protection level up to IP65, wall-mounted design, space-saving.
- Cloud + intelligent data analysis, automatic sleep, UPS function for critical loads.

	HT-HBI-T10SH V1	HT-HBI-T12SH V1	HT-HBI-T15SH V1	HT-HBI-T20SH V1	
Off-grid Output	Model Name	HT-HBI-T10SH V1	HT-HBI-T12SH V1	HT-HBI-T15SH V1	HT-HBI-T20SH V1
	Nominal Output Power	10kW	12kW	15kW	20kW
	Nominal Voltage	3/N/PE.220/380Vac.230/400Vac			
	Nominal Frequency	50/60Hz			
	Nominal Output Current	15A	18A	22.5A	30A
On-grid Parameter	Output THDu	<3%			
	Nominal Output Power	10kW	12kW	15kW	20kW
	Max. Output Power	11kVA	13.2kVA	16.5kVA	22kVA
	Max. Output Current from Grid	30A	35A	44A	60A
	Max. Output Current	16A	20A	24A	32A
	Grid Voltage Range	184-276V			
	Nominal Grid Voltage	3/N/PE.220/380.230/400V.240/415V			
	Max. Input Power	15000Wp	18000Wp	22500Wp	30000Wp
	Starting Voltage	200V			
	Max. Input Voltage	1000V			
PV Input	MPPT Voltage Range	180-960V			
	Full Load MPPT Voltage Range	250-850V	290-850V	350-850V	450-850V
	Number of MPPT	2			
	Max. Input String Per MPPT	2			
	Nominal Input Voltage	600V			
	Max. Input Current	25A/25A			
	Size(W*H*D)	573mm*509mm*219mm			
	Weight	35kg			
General Data	Noise	<45dB(A)			
	Operating Temperature Range	-25°C~60°C			
	Cooling Method	Natural Cooling			
	Ingress Protection Grade	IP65			
	Monitoring	APP/WIFI/Bluetooth			
	Communication Port	RS485/CAN/DRED/DO/Parallel port			
	Protection	DC Switch, AC Overvoltage Protection, AC Overcurrent Protection, AC Short Circuit Protection, Anti-islanding Protection, Residual Current Monitoring, PV Insulation Resistance Detection, Surge Protection, PV Reverse Polarity Protection, Lightning Protection			
Certification	CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2			
	CE EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4			
	Grid	VDE-AR-N 4105,G98, G99, CEI O-21, EN50549 NRS 097-2-1, AS 4777.2, R25			



Photovoltaic Energy
Storage Integrated System



High Compatibility



Power 10-20 kW



Multi-power Coverage



Strong Battery Voltage Adaptability



Supports Virtual Power Plant (VPP)

MOKE 48100

Backup Power For Base Stations



Intelligent protection



Excellent high-temperature performance



Anti-theft feature



Easy to maintain and manage



Long Service Life



High-rate discharge

Model	HTES-48100-VTA1	Allowed Operating Temperature Range	0~60°C(Charge) -20~60°C(Discharge)
Cell Type	LFP	Max. Continuous Charge Current	100A@25°C
Nominal Energy	4.8kWh	Max. Continuous Discharge Current	100A@25°C
Nominal Capacity	100Ah	Recommended Charge Current	20A@25°C
Nominal Voltage	48V	Nominal Charge Voltage	54V
Operating Voltage Range	40.5V-54V	IP	IP20
Dimensions(W*H*D)	445*133.5*450mm	Expansion	Max. 64 units in parallel
Weight	41kg	Communication	RS485 CAN/SNMP(Optional)
Discharge Cut-off Voltage	40.5V	Cycle Life	3500@80% DoD, 25°C
Allowed Humidity Range	<=95% RH	Certification	UN38.3, UL1973, IEC 62619, IEC 62620, CE-EMC

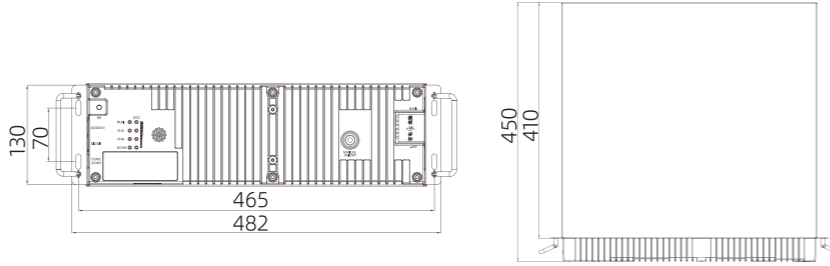
Backup Power For Base Stations



- 3U standard chassis High compatibility
- Real-time monitoring of battery cells/ voltage, and temperature
- Advanced Battery management system Safe and reliable
- Accurate SOC algorithm with automatic calibration
- Maximum Parallel connection of 64
- Uniform function of battery cells Extending battery life

MOKE

SPECIFICATION

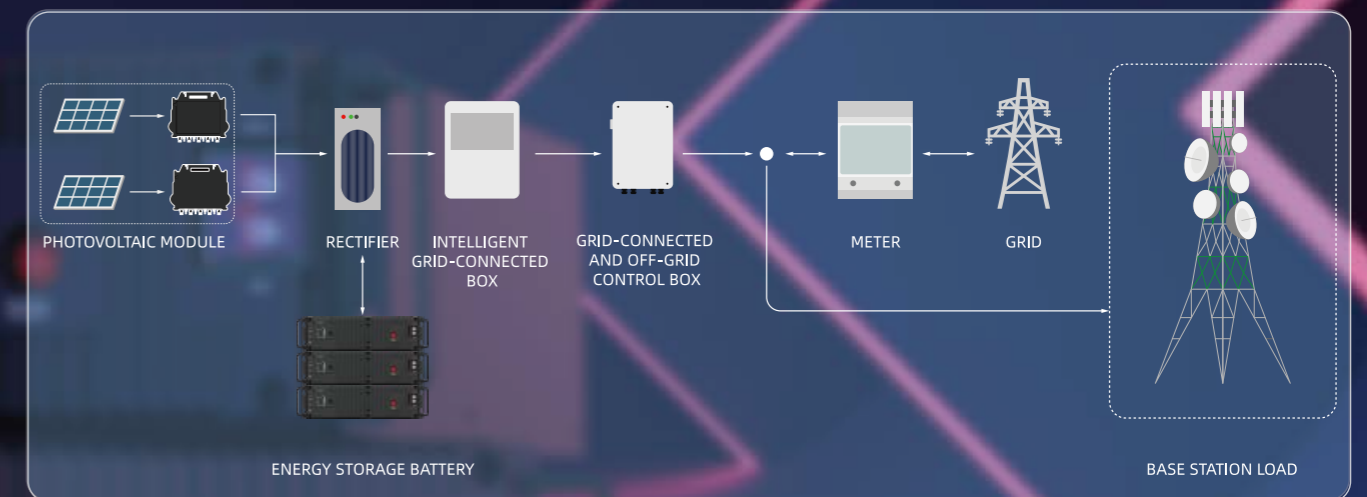
Models	MOKE48100-CT
Schematic Diagram	
Nominal Capacity	100Ah
Nominal Voltage	48V
Maximum Charge/Discharge Current	100A
Rated Charge/Discharge Current	150A@25°C
Maximum Charge/Discharge Power	4800W@25°C
Cycle Life	3500@0.5C 80%DoD @ 25°C

Weight	43kg
Operating Voltage Range	40.5V-54V
Discharge Cut-off Voltage	54.0V
Nominal charge Voltage	40.5V
Operating Temp. Range/Charge	0°C-60°C
Operating Temp. Range/Discharge	-20°C-60°C
Storage Temperature	0°C-45°C
Communication	RS485, CAN; 2Dry Contact
Function	Peak Shaving/Mix Up With Lead-acid/Normal Lithium Battery
Allowed Humidity Range	5%-95%
Atmospheric Pressure	70kPa-106kPa
IP	IP20
Altitude	<2000m
Protections	Overcharge/Overdischarge/Overtemperature/Overcurrent/Short Circuit etc.
Design Standard	UN38.3, CE-EMC, IEC62619

MOKE 48100-CT

TELECOM BACKUP LFP BATTERY SOLUTION

Adopting intelligent lithium battery control strategy, it is mainly used for 48V communication backup power supply scenarios. It has the characteristics of maintenance-free, high specific energy and long cycle life.



MULTIPLE PROTECTION METHODS



INTELLIGENT ANTI-THEFT SOLUTION



DC-DC FUNCTION COMPATIBLE WITH VRLA & OLD LFP BATTERY



HIGH-RATE CHARGE/DISCHARGE

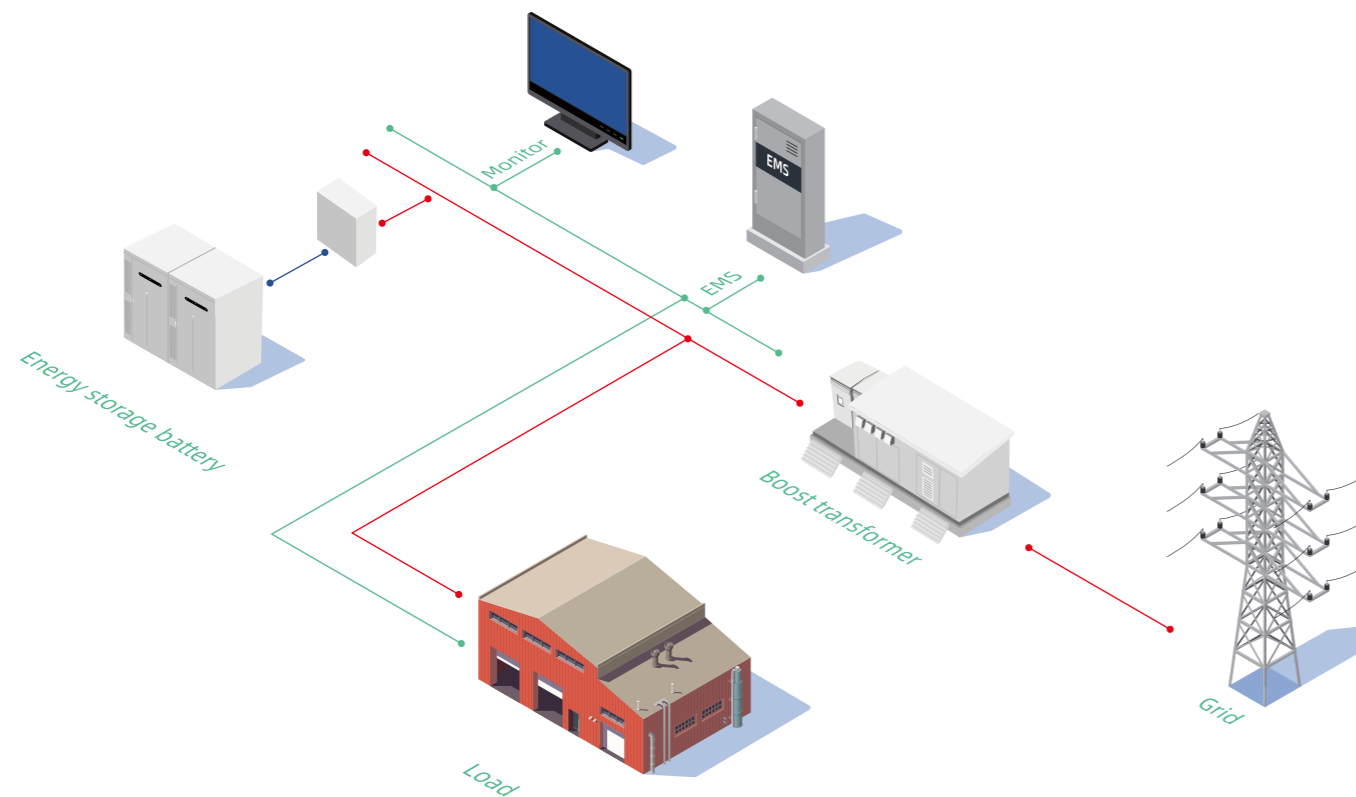


LONG DESIGN LIFE UP TO 15 YEARS

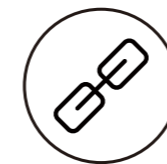
COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SOLUTION

Commercial And Industrial Energy Storage Applications

- **Photovoltaic Self-Consumption and Grid Integration**
Photovoltaic generation prioritizes supplying loads, followed by charging the battery, and any excess electricity can be fed into the grid. When the photovoltaic generation is low, prioritize discharging the battery for supplementation.
- **Critical Load Backup Power Assurance**
The battery is kept fully charged. During a power outage, it is used as an emergency power supply to ensure power supply for important loads and manage demand charges. When there is a grid, the battery discharges to reduce the peak when the purchased power exceeds the set value. During a power outage, the battery discharges to the load for consumption.
- **Peak-Valley Price Arbitrage**
In regions with peak-valley electricity pricing, the energy storage system charges during off-peak hours and discharges during peak hours to capitalize on the peak-valley price difference.



Expandable through the combination of multiple cabinets, Wide Capacity Design Range, Easy and Convenient On-Site Assembly.



Independent control for each cluster and channel, discharge depth exceeding 90%.



Liquid cooling constant temperature control can control the temperature difference of the battery cells within 3°C, effectively ensuring the safety and high-performance operation of the system.



Well-rounded application features, suitable for various scenarios such as industrial parks, microgrids, commercial complexes, etc.

HELIOS B233/372

Outdoor Liquid-Cooling Energy Storage System

Product Features

Ultimate safety

Outdoor cabinet IP55,PACK IP67

Seamless switching redundant power supply

Comprehensive protection real-Time monitoring

Three-phase four-wire, no isolation transformer required

Multi-unit parallel connection and coordinated control

System Parameters	Category	HTAES2-L100K233V1	HTAES1-L372
	Cell Type	LFP3.2V/280Ah	
	System Rated Energy	233kWh	372kWh
	Battery Voltage Range	DC 728V~936V	DC 1164.8V~1497.6V
	Ac-side Rated Power	100kW	/
	Discharge Depth	90%DOD	
	System Efficiency	≥88%	
	Communication Interfaces	CAN/RS485	
	Protection Level	IP55	
	Noise	<75dB	
	Thermal Management Technology	Liquid cooling (Temperature differences≤3°C)	
	System Combination	233*N (1≤N≤5)	372*N (1≤N≤N)
	Dimensions(L * D * H)	1345×1396×2350 mm	1345×1396×2350mm (System without PCS)
Weight	2.8t	3.8t	
AC-Side Parameters	Rated Voltage/rated Voltage Range	380V/380V±10%	/
	Rated Frequency/rated Frequency Range	50Hz/50±2.5Hz	/
	Power Factor	-1...+1	/
	Current Distortion Rate	<3%	/



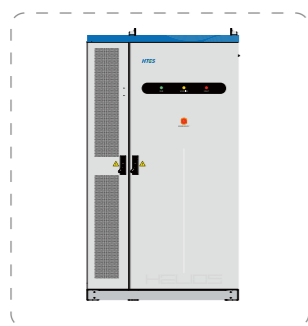
Medium-Sized Commercial and Industrial 1×N Combination Cabinet Energy Storage System



Product Features and Advantages

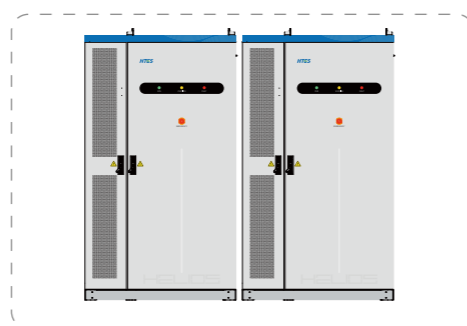
- Expandable through the combination of multiple cabinets, wide capacity design range, easy and convenient on-site assembly.
- Independent control for each cluster and channel, discharge depth exceeding 90%.
- Liquid cooling constant temperature control can control the temperature difference of the battery cells within 3°C, effectively ensuring the safety and high-performance operation of the system.
- Well-rounded application features, suitable for various scenarios such as industrial parks, microgrids, commercial complexes, etc.

Energy Storage Combination Cabinet, Expandable with Multiple Cabinets in Parallel



1

233kWh/372kWh



1×2

466kWh/744kWh



1×5/1×N

233×5 kWh / 372×N kWh

Note: The maximum number of HELIOS B233 units that can be connected to the grid is 10, and the maximum number of units that can be connected off-grid is 5.

LARGE-SCALE CONTAINERIZED ENERGY STORAGE SYSTEM SOLUTION



Facilitates standardized transportation, reliable strength, and convenient lifting and installation.



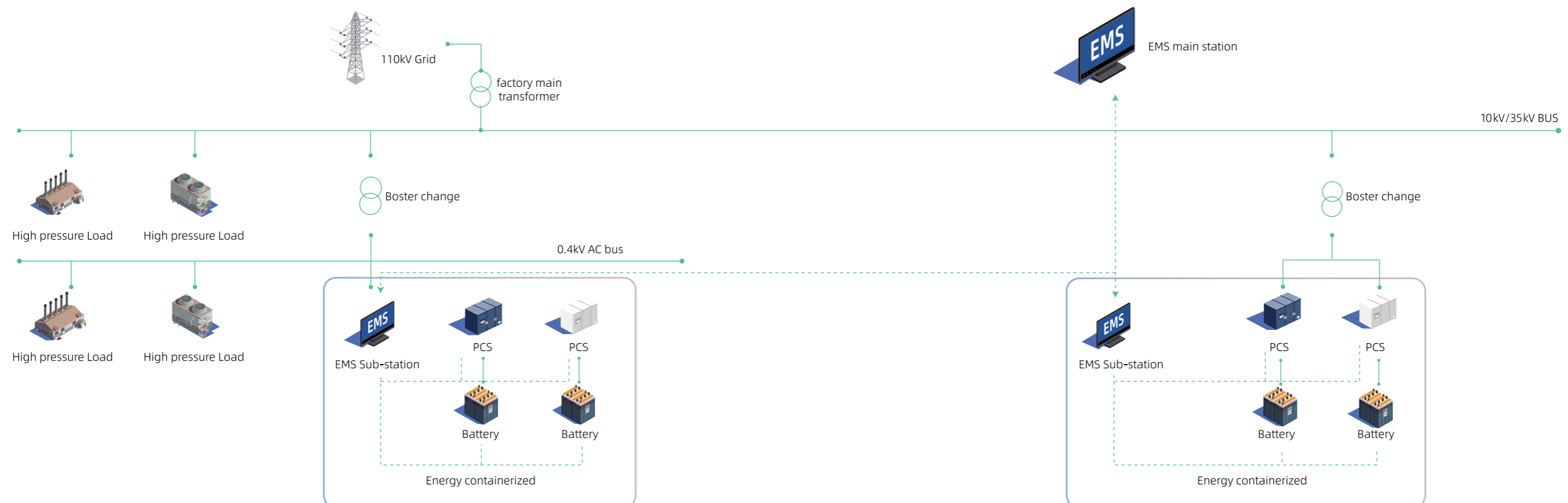
The enclosure has a high degree of integration, reducing on-site installation and commissioning work.



Suitable for various working environments, such as high-altitude, high-temperature, windy, sandy, saline conditions, etc.



The enclosure has good thermal insulation performance, and the protection level can reach IP54.



HELIOS C20

Standard Capacity: 3.72MWh

Excellent performance of battery cells, long service life.

Cloud monitoring, intelligent management, and operation and maintenance.

Integrated liquid cooling plate in the enclosure, reducing the risk of leakage.

Small footprint, high integration, convenient for overall transportation.

Dynamic temperature control, higher efficiency, stable battery cell temperature, minimal temperature difference.

Can be spliced, flexible arrangement, supports PACK-level fire protection.



Generation side



Wind power generation side



Photovoltaic generation side



Microgrid



Industrial and commercial



Grid-side



Product Model	HT-ESS-3.72MWh-L	
Product Type	LFP battery bank	
Configuration	10*(1P52S*8)	
Rated Energy	3.72MWh	
Rated Voltage	1331.2V DC	
Voltage Range	1164.8~1497.6V DC	
Rated Charging Power	1863.68kW	
Rated Discharging Power	1863.68kW	
Auxiliary Power Supply	3AC 380...480V	
Environment Condition	Storage Temperature	-25°C~55°C
	operation Temperature	-25°C~55°C
	Application altitude	≤4000m(Derating, up to 4000m)
General Parameters	Size(L*W*H)	6058*2462*2896mm
	Weight	≈35t
	IP Level	IP55 (Battery Room) IP45 (Electrical Room)
	Cooling mode	Liquid Cooling
	Communication protocol	CAN, TCP/IP
	Coolant	50% Ethylene glycol aqueous solution

0.5 P SYSTEM



APPLICATION CASES



C&I Energy Storage in Italy

60kWh
📍 Napoli, Italy



Eilat international red sea high school

1000kWh
📍 Israel · Eilat



Johannesburg area (residential energy storage batteries)

3.5MWh
📍 South Africa · Johannesburg



Changshu High-voltage

2MW/8MWh
📍 Jiangsu · Suzhou · Changshu

Zhejiang Jujin Automotive and Motorcycle

0.9MW/1.8MWh
📍 Zhejiang · Taizhou



Zhejiang Limin User Side Energy Storage Power Station Project

3MW/6MWh
📍 Zhejiang · Taizhou



Suzhou Tongli Bus Station

PV 52kWp -Energy Storage 100kW/155kWh
📍 Jiangsu · Suzhou · Wujiang

Integrated Photovoltaic and Energy Storage Microgrid Project

PV 400kWp -Energy Storage 250kW/500kWh
📍 Jiangsu · Zhenjiang