



华衢能源

绿色动力 驱动未来

HUAQU ENERGY

Product manual



Scan this code to stay
updated with more
information

Contact number: 0571-82831555

business address: No. 1218, Wen Yi West Road, Yuhang District,
Hangzhou City, Zhejiang Province, Hengsheng Science and Technology
Park Building 12 Unit 1

Location of the production facility: No. 29, Jiagi Road, Xianlin
Subdistrict, Yuhang District, Hangzhou City, Zhejiang Province

1. Industrial and commercial energy storage

Product Overview: Zero-Carbon Smart Storage is an outdoor integrated cabinet-style energy storage system that can be flexibly deployed alongside user-side equipment. It helps users reduce their electricity costs, improve the reliability of power supply, stabilize peak loads, mitigate surges and valleys to generate revenue, and can also be used to address planned restrictions on electricity use and to build virtual grids



Green power drives the future

100kW/215kWh Vertical energy storage cabinet

Product specifications

Rated capacity	215kWh
Cell specification	LFP-280Ah
Operating voltage range of pcs	DC600V-900V
Output power	100kW
Output voltage	AC380V
Rated charging and discharging rate	0.5C
Heat management mode	Air-cooled
Operating mode	Grid connected
Operating temperature	-20~55℃
Product dimensions	1154×1523×2223mm(Width × Depth × Height)
Overall weight	3000kg≥T≥2500kg
Protection level	IP55



100kW/215kWh Horizontal storage and charging unit

Product specifications

Rated capacity	215kWh
Cell specification	LFP-280Ah
Operating voltage range of pcs	DC600V-900V
Output power	100kW
Output voltage	AC380V/DC200-1000V
Rated charging and discharging rate	0.5C
Heat management mode	Air-cooled
Human-computer interface	10-inch touchscreen
Operating mode	Grid-connected/off-grid
Operating temperature	-20~55℃
Length of the gun cable	5/8M
Charging cable	International charging jacks*1
Maximum output power of the charging gun	80kW
System recharging	AC380V /100kW
Product dimensions	1450×2900×1120mm(Width × Depth × Height)
Overall weight	3000kg≥T≥2500kg
Protection level	IP55



125kW/261kWh Vertical energy storage cabinet

Product specifications

Rated capacity	261kWh
Cell specification	LFP-314Ah
Operating voltage range of pcs	DC600V-1000V
Output power	125kW
Output voltage	AC380V
Rated charging and discharging rate	0.5C
Operating mode	Liquid cooling
Human-computer interface	7-inch touchscreen
Operating mode	Grid-connected/off-grid (customizable)
Operating temperature	-20~55°C
Product dimensions	1154×1523×2223mm(Width × Depth × Height)
Overall weight	3000kg≥T≥2500kg
Protection level	IP55



50kW/107.5kWh Battery storage integration system

Product specifications

Rated capacity	107.5kWh
Cell specification	LFP-280Ah
Operating voltage range of pcs	DC600V-900V
Output power	50kW
Output voltage	AC380V/DC200-1000V
Rated charging and discharging rate	0.5C
Operating mode	Air-cooled
Human-computer interface	10-inch touchscreen
Operating mode	Grid connected
Operating temperature	-20~55°C
Length of the gun cable	5/8M
Charging cable	International charging jacks*2
Maximum output power of the charging gun	120kW (Single unit, 120kW/Two guns, each with 60 kW)
System recharging	AC380V/50kW
Product dimensions	1154×1523×2373mm(Width × Depth × Height)
Overall weight	3000kg≥T≥2500kg
Protection level	IP55



II. Dynamic Charging Vehicle

Product Introduction: The mobile electrochemical energy storage system (MEESS) is a pre-installed system that uses electrochemical batteries as electrical energy storage devices, with movable characteristics for cyclically storing and releasing electric energy through an energy storage converter, in accordance with GB / T 36545-2023 Technical Specification of Mobile Electrochemical Energy Storage System.

Note: generally include electrochemical batteries, battery management system, energy storage converter, monitoring system,



Green power drives the future

Dynamic Energy Replenishment Vehicle EV-V8 Series

Product specifications

Rated capacity	114kWh
Cell specification	LFP-230Ah
Operating voltage range of pcs	DC600V-1000V
Output power	100kW
Output voltage	AC380V
Rated charging and discharging rate	1C
Operating mode	Liquid cooling
Human-computer interface	10-inch touchscreen
Operating mode	Grid-connected/off-grid
Operating temperature	-20~55℃
Length of the gun cable	5/8M
Charging cable	International charging jacks*1
Maximum output power of the charging gun	80kW
System power replenishment 1	DC power distribution post (optional)
System power replenishment 2	AC380V/100kW
Product dimensions	1200×1800×1200mm(Width × Depth × Height)
Overall weight	1500kg≥T≥1300kg
Protection level	IP55



◆ Applicable scenarios ◆



Road assistance



Township streets



Old residential areas



Community site

Dynamic Energy Replenishment Vehicle EV-V7 Series

Rated capacity	215kWh
Cell specification	LFP-280Ah
Operating voltage range of pcs	DC600V-900V
Output power	100kW
Output voltage	AC380V/DC200-1000V
Rated charging and discharging rate	0.5C
Operating mode	Air-cooled
Human-computer interface	10-inch touchscreen
Operating mode	Grid-connected/off-grid
Operating temperature	-20~55°C
Length of the gun cable	5/8M
Charging cable	International charging jacks*1
Maximum output power of the charging gun	80kW
System recharging	AC380V /100kW
Product dimensions	1450×2900×1120mm(Width × Depth × Height)
Overall weight	3000kg≥T≥2500kg
Protection level	IP55



◆ Applicable scenarios ◆



Parking



Tourist attractions



Highway service area



Location for gathering of operational vehicles

Dynamic Energy Replenishment Vehicle EM-H9M/E Series

Product specifications

Rated capacity	1075kWh-4180kWh
Cell specification	LFP-280Ah/LFP-314Ah
Operating voltage range of pcs	DC600V-1000V/DC800V-1500V
Output power	500kW-1575kW
Output voltage	AC380V/DC200-1000V
Rated charging and discharging rate	0.5C
Operating mode	Air-cooled/liquid-cooled
Human-computer interface	10-inch touchscreen
Operating mode	Off-grid/grid-connected
Operating temperature	-20~55℃
Length of the gun cable	8M
Charging cable	International charging jacks*2
Maximum output power of the charging gun	400kW-800kW
System recharging	AC380V/AC10kV/500kW-1575kW
Product dimensions	6058×2438×2896mm/13600X2438X2896(宽×深×高)
Overall weight	56t≥T≥18t
Protection level	IP55



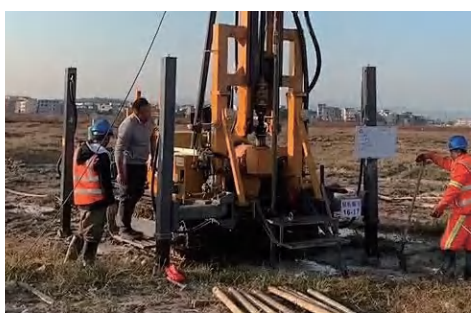
◆ Applicable scenarios ◆



Construction Site



mine



Drilling surveys



Shipping terminal

Dynamic Energy Replenishment Vehicle EM-V9 Series

Product specifications

Rated capacity	5000kWh-6000kWh
Cell specification	LFP-314Ah
Operating voltage range of pcs	DC800V-1500V
Output power	2500kW-3000kW
Output voltage	AC380V/DC200-1000V
Rated charging and discharging rate	0.5C
Operating mode	Liquid cooling
Human-computer interface	10-inch touchscreen (customizable)
Operating mode	Off-grid/grid-connected
Operating temperature	-20~55°C
Length of the gun cable	8M
Charging cable	Customization
Maximum output power of the charging gun	400kW-800kW
System recharging	AC380V/AC10kV /2500kW-3000kW
Overall weight	70t≥T≥65t
Protection level	IP55



◆ Applicable scenarios ◆



Exhibition performance



Film and television production facility



Logistics park



Industrial park

Emergency response type ESV-261

Product specifications

Rated capacity	261kWh
Cell specification	LFP-314Ah
Operating voltage range of pcs	DC600V-1000V
Output power	125kW
Output voltage	AC380V
Rated charging and discharging rate	0.5C
Operating mode	Liquid cooling
Human-computer interface	10-inch touchscreen
Operating mode	Off-grid/grid-connected
Operating temperature	-20~55℃
System recharging	AC380V/125kW
Product dimensions	3400×2370×2200mm(Width × Depth × Height)
Overall weight	≤3000kg
Protection level	IP55



◆ Applicable scenarios ◆



Post-earthquake
rescue efforts



Flood-affected areas



The site of the
collapse



Slurry flow area

Heavy truck charging station

Product specifications

Rated capacity	400kW
Operating voltage rating	AC380V
Output voltage	DC200~1000V
Human-computer interface	7-inch color display screen.
Charging mode	Single-player/online
Operating temperature	-20~55℃
Length of the cable run	5M/8M
Charging cable	International charging jacks*2
Product dimensions	750×800×1854mm(Width × Depth × Height)
Protection level	IP55



◆ Applicable scenarios ◆



Mainline logistics park



Port facilities



Mining sites/work sites/large industrial complexes



National and provincial highway refueling stations

III. Outdoor electric kitchen appliances and EMS energy management systems

Product Description: The Outdoor Electric Cooker is a portable energy storage and power supply device designed specifically for outdoor use. Its core purpose is to meet the needs for flexible, reliable, and green power supply in outdoor environments. It aligns with the trends of new energy development and provides stable energy support for various outdoor power usage scenarios.

EMS is an energy management system that leverages information technology to monitor, analyze, and optimize energy usage in real-time, thereby reducing energy consumption costs and enhancing energy efficiency.



Green power drives the future

Outdoor electric kitchen appliance

Product specifications

Battery type	Solid-state lithium-ion batteries
Battery capacity	2.56kWh
Maximum rated power	3.6kW
Maximum rated current	16A
Maximum rated current	220V
Operating mode	Off the grid
Operating temperature	-20~55℃
System recharging	AC220-240V/10A/50Hz
Product dimensions	482×300×490mm(Width × Depth × Height)
Cycle life	≥3000 second
Methods of communication	WiFi、Bluetooth
Overall weight	≤40kg
Protection level	IP55



EMS Energy Management System

Product specifications

Memory	4GB(MAX 8GB)
Storage	128GB
electric consumption	20W(MAX)
Power Supply	DC12-36V
USB	2×USB2.0（1×OTG interface）
CPU	RK3568, 4×Cortex-A55, Maximum base clock frequency 2.0GHz
Ethernet	4×GigaLAN Network interface
size	286×168×36mm(Width × Depth × Height)
Operating temperature	-20~70℃、-40~85℃（available）
serial port	6×RS-485, 2×RS485/RS-232 available, 2×CAN, 1×DEBUG
Wireless network	1×WIFI Bluetooth, 1×4G communication（Flexible）
DI	8×DI interface
DO	8×DO interface
operating system	Ubuntu 20.04

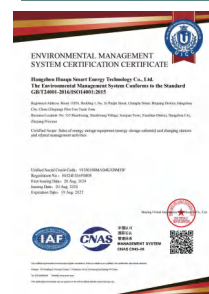
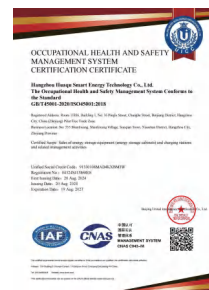


IV. Craftsmanship Builds Reputation

The company has been continuously improving its production management system, diligently advancing the construction of the 3S quality management system and standardizing plant management, and steadily enhancing the standardization of production operations. Recently, it was successfully recognized as a provincial honor for technology-driven small and medium-sized enterprises. By leveraging continuous research and development innovations to drive industry growth, it provides reliable guarantees for its products and services through robust qualifications and technical capabilities.

Credentials versus honor

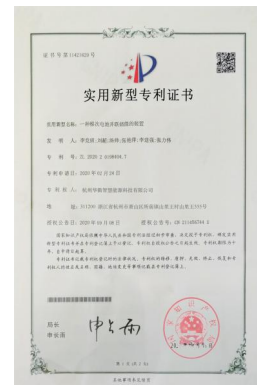
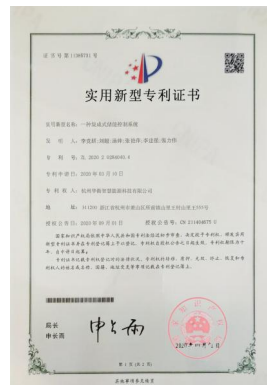
Certificate for Technologically Advanced Small and Medium-Sized Enterprises in Zhejiang Province.
Occupational Health and Safety Management System Certification
Quality management system certification.
Environmental management system certification



V. Develop Intelligent Driving Technologies

Through continuous investment in research and development and a smart manufacturing system, Huachu Energy integrates technological innovation into the entire production process. High-precision automated production lines ensure efficient mass production. Each piece of equipment undergoes 100% comprehensive testing prior to delivery, ensuring zero defects in quality. Flexible and modular design quickly adapts to market-specific needs, providing customers with high-performance, highly reliable, and customizable energy storage products, thereby facilitating the intelligent and sustainable development of energy applications.

Product patent



Company Overview

Hangzhou Huacheu Smart Energy Technology Co., Ltd. was established in 2023 with a registered capital of 50 million yuan. The company's headquarters is located in Yu'an District and is a technology-based small and medium-sized enterprise in Zhejiang Province and a subsidiary of the National Electric Power Investment Group.

Exclusive service provider.

The company focuses on “new energy + digital technology” and has independently developed a range of products, including industrial and commercial energy storage cabinets, mobile energy storage/recharging vehicles, emergency rescue recharge vehicles, outdoor electric kitchen units, and EMS energy management systems, which cater to various scenarios such as industrial and commercial use, transportation emergencies, and more.

The factory complex is located in Xiaoshan and Yucheng, Hangzhou. It has invested 150 million yuan and is equipped with standardized production, research and development, testing, and warehousing facilities, enabling large-scale, intelligent production.

An international provider of customized smart energy equipment



Investment in integrated energy management



Investment in industrial and commercial energy storage power plants



Investments in the nationwide dynamic energy replenishment network infrastructure



Financing leasing for energy equipment

Green power drives the future