聚恆科技股份有限公司
HENGS TECHNOLOGY CO.,LTD.

HSR-215-100

Micro-Grids：
Energy Storage System

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Features

Safe and reliable

- The industry's high-quality lithium iron phosphate material is used.
- Air conditioning design, long system life, smooth operation.
- IP54 protection grade design ensures safe and reliable operation of equipment in harsh environment.
- BMS and AC, DC multi-layer protection Settings to ensure the safe operation of the system.
- The battery cell adopts thermal isolation insulation bracket, and the module has built-in fire protection to ensure the safety of the battery system.

Efficient and convenient

- PCS and battery systems adopt modular design for easy installation and maintenance.
- Light a variety of applications, peak cutting and valley filling, demand management.
- Multi-scene, industrial park, building, community, low pressure platform area, etc.
- Integrated equipment.
- Remote monitoring, device management, remote troubleshooting and data analysis can be configured.

Cost optimization

- Small size, light weight, save floor space and installation costs.
- Long life, low failure rate, low operation and maintenance cost.
- Maximize the use of green energy and save money on electricity bills.

Specification

Battery

Battery Type	LFP
Nominal Voltage	3.2 V
Nominal Capacity	280 Ah (0.5C、25°C)
Nominal Energy	896 Wh (0.5C、25°C)
Cycle Life	>6,000 cycles

Module (Pack)

Configuration	1P16S
Nominal Voltage	51.2 V
Nominal Capacity	280 Ah (0.5C、25°C)
Nominal Energy	14.336 kWh (0.5C、25°C)

Cabinet (Rack、PCS、STS)

Configuration	1P240S (15 Modules)
Nominal Voltage	768 V
Nominal Capacity	280 Ah (0.5C、25°C)
Nominal Energy	215.04 kWh (0.5C、25°C)
Operating Voltage	672 V ~ 876 V
Charge/ Discharge Rate	0.5 C / 0.5 C
Round Trip Efficiency	85%
Communication Interface	RS485、LAN
Communication Protocol	Modbus-RTU、Modbus-TCP
Cooling Method	Air cooling
IP Rating	IP54
Fire Protection Method	Aerosol
Operating Temperature	Charge: 0°C ~50°C
Operating Temperature	Discharge: -10°C~55°C
Storage Temperature	-20°C ~ 35°C (Recommended)
Dimensions (L×W×H)	1,600×1,330×2,250 mm
Total Weight	≤ 2,500 kg

STS

Nominal Voltage	380 V / 400 V
Nominal Current	227 A
Nominal Power	150 kW
Switching Time	Discharge ≤ 10 ms Charge ≤ 20 ms

PCS

Nominal Voltage	DC 650V~900V AC 380V/400V
Nominal Current	DC 170 A (Max) AC 151 A
Nominal Power	100 kW
Operating Temperature	-20°C~55°C
Overload Capacity	≤105%: for continuous operation 105%~110%: for ≤ 10 mins >110%: stops operation
Communication Interfaces	CAN、RS 485 (For modules)
Communication Protocols	CAN 2.0、Modbus RTU (For modules)

Compliance Standards

IEC 62619、IEC 61000、 EN 50549-1 、
EN 62477-1 、VDE4105 、G99