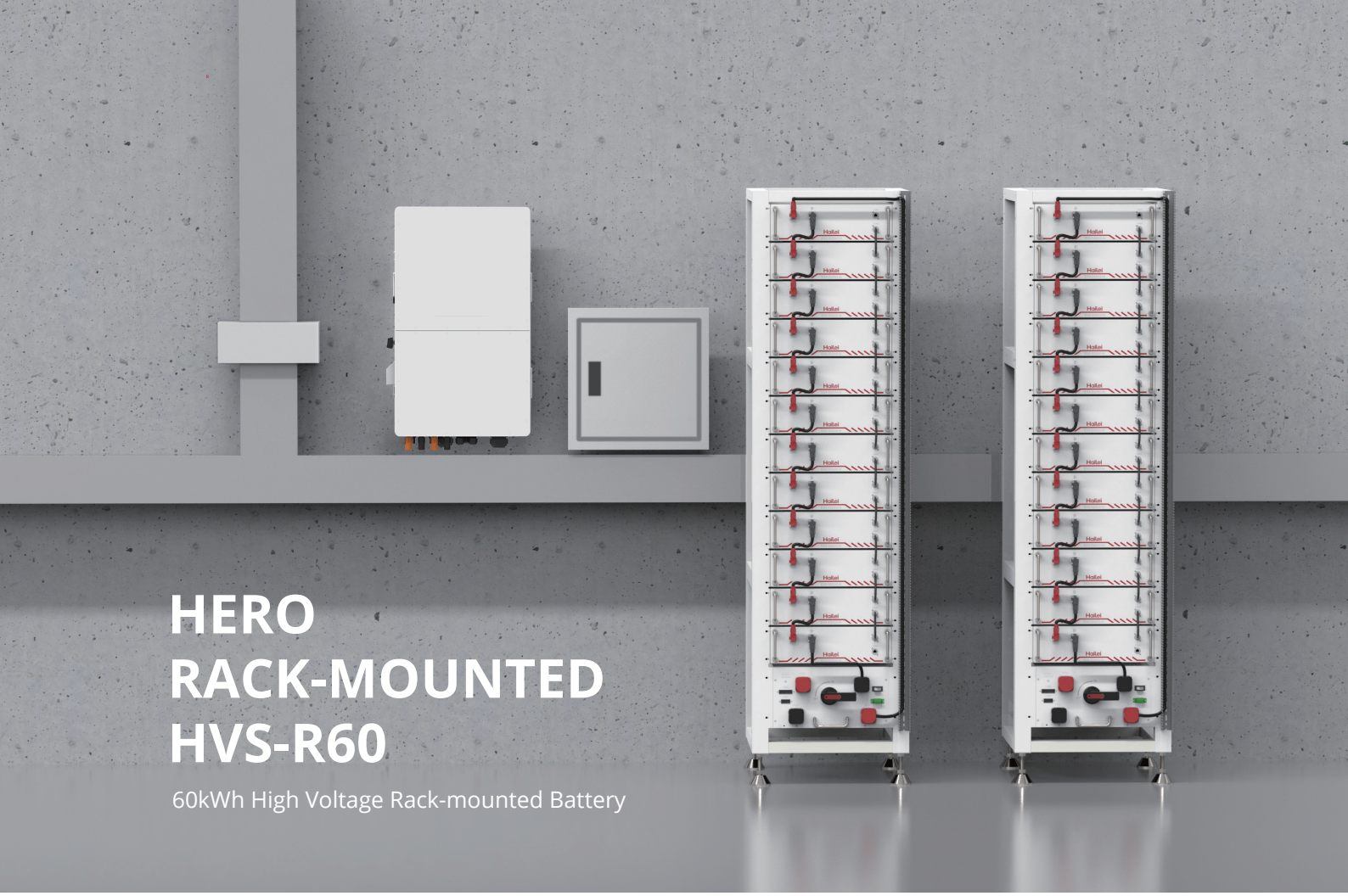


HERO RACK-MOUNTED HVS-R60

60kWh High Voltage Rack-mounted Battery



60kWh High Voltage Rack-mounted Energy Storage System consists of 12 battery packs, each of which consists of 16S-100Ah cells.These are connected in series to a 30KW three-phase hybrid inverter, enabling seamless integration with the grid and loads. The system supports solar energy generation, storage, and charging functions and operates efficiently in temperatures ranging from -20°C to 55°C, making it ideal for various residential, commercial and industrial energy storage applications.

Extremely Safety

Adopts a single cluster two-level architecture, and the BMS has over-current, over-charge, over-current, over-temperature, and under-low protection functions.

Long Cycle Life

Uses LiFePO4 Battery to meet long cycle life applications and safer using.

Easy to Install & Maintain

Modular design & standard chassis structure.

Wide Temperature

Working temperature range is from -20°C to 55°C, with excellent discharge, performance and cycle life.

Versatile Application

Supports solar power generation, energy storage, and grid-connected applications, suitable for residential, commercial and utility applications.

Intelligent Control

Integrates BCU and BMU for precise battery management.

Basic Parameters		
Battery cabinet parameters	Specification	Remark
Battery cabinet size	575mm（W）X600mm（D）X2150mm（H）	±5mm
Nominal capacity	100Ah	
Nominal voltage	614.4V	192 strings
Standard charging rate	0.5C/25℃	
Maximum continuous discharge rate	1C/25℃	1C (100A)
Energy	60KWh	
Operating voltage range	556.8V-691.2V	
Maximum charging voltage of single cell	3.60V	Any battery cell
Minimum discharge voltage of single cell	2.9V	Any battery cell
Operating temperature range	Charging: 0~55℃, discharging -20~55℃	
Protection level	IP20	

Battery Pack Parameters	Specification	Remark
Battery pack size	482.6mm（W）X550mm（D）X133mm（H）	±0.5mm
Nominal capacity	100Ah	
Nominal voltage	51.2V	16 strings
Standard charging rate	0.5C/25℃	
Maximum continuous discharge rate	1C/25℃	
Energy	5.12KWh	
Operating voltage range	46.4V-57.6V	
Maximum charging voltage of single cell	3.60V	Any battery cell
Minimum discharge voltage of single cell	2.9V	Any battery cell
Insulation properties	≥1000Ω/V	

Application scope



Household



Company



Factory

Home energy storage battery application system

