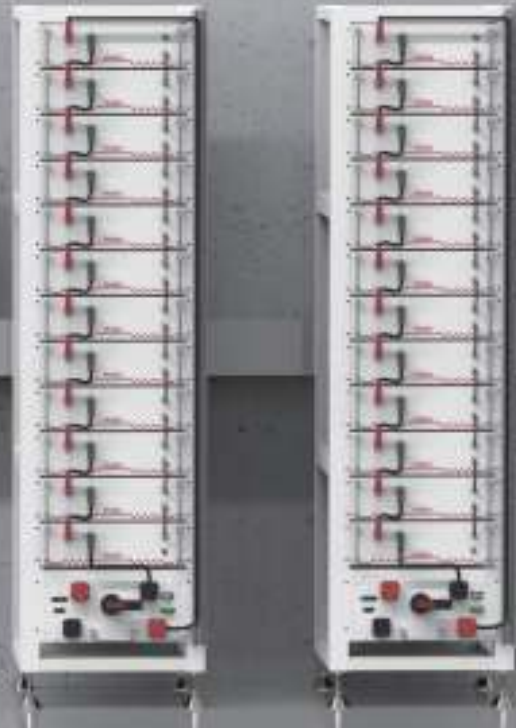


HERO RACK-MOUNTED HVS-R60

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 C	
Maximum continuous discharge rate	1C/25 C	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 C , discharging -20~55 C	
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 C	
Maximum continuous discharge rate	1C/25 C	
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	≥ 1000 Ω /V	

Application scope



Household



Company



Factory

Home energy storage battery application system

