



HNESS 230-L

C & I Storage System

All In One Cabinet:

BMS / Battery / Liquid Temperature Control /
Fire Protection System

PRODUCT ADVANTAGES



Efficient Liquid Cooling System

Intelligent peak shaving and valley filling, maximized photovoltaic energy utilization, flexible transformer expansion, back-up power (manual switch).



Versatile Application Scenarios

Internal PCS ensures reliable operation even under unbalanced load conditions. The internal circulating cooling system brings quiet and energy-efficient performance.



Intelligent O&M Platform

Remote monitoring platform. Real-time operational data collection.



Safe and Durable

Anti-corrosive, flame-retardant outdoor design, battery and electrical compartments rated IP65 and IP54 for excellent waterproof.



Comprehensive Fire Safety

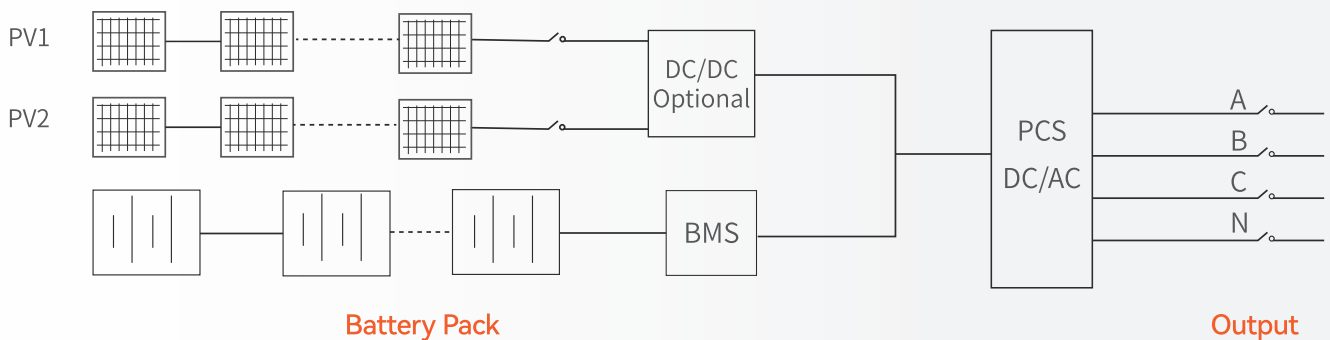
Three-level fire protection, with built-in fire detectors aerosol modules, sound and light fire alarms. EMS modules+ Gateways, and immersion sensors.



Flexible Design

Supports up to 10 units in parallel on grid.

TOPOLOGY STRUCTURE



PRODUCT PARAMETER

MODEL

HNESS 230-L (HNESS 230/PV-L)

PV Interface (Optional)

PV Input Voltage	300-570Vdc
Max PV Input Power	100kW
Number Of PV String	1
Max PV Input Current	200A
Max PV Open Circuit Voltage	600V

Battery

Cell Type	LiFePO ₄
Cell Specification	3.2V/100Ah
System Configuration	3P240S
Rated Capacity	230.4kWh
Voltage Range	684~852V

AC Output (On-grid)

Rated Output Power	100kW
Rated Output Current	140A
AC Connection Method	Three Phase Four-Wire System
Grid Voltage Range	400V (-20%~+15%)
Grid Frequency Range	50Hz/60Hz±2.5Hz

AC Output (Off-grid)

AC Off-grid Voltage	AC400V
AC Voltage Range	AC400V±3%
AC Off-grid Frequency	50Hz/60Hz
Load Unbalanced Capability	100%

General Information

Dimension (W*D*H)	1320*1280*2370mm
Net Weight	2460kg
Operating Temperature Range	-20°C~50°C
Working Altitude	< 2000m
Temperature Control Method	Battery: Liquid Cooling; Electrical Compartment: Air Cooling

CERTIFICATION

  UN38.3 CE-LVD CE-EMC IEC 62619:2022

WARRANTY

5 YEARS

≥ 6000 CYCLES