

HNESS 230-L

C & I STORAGE SYSTEM

Cabinet integrates battery modules, BMS, PCS, EMS, Fire protection system



Highly Integrated

- Integrated design simplifies installation and maintenance.
- Automatic fluid replenishment ensures hassle-free operation.



Diverse Applications

- Focuses on small and medium-sized C&I, and agricultural scenarios.
- Suitable for projects around 1MWh and ready-to-use.



Flexible and Efficient

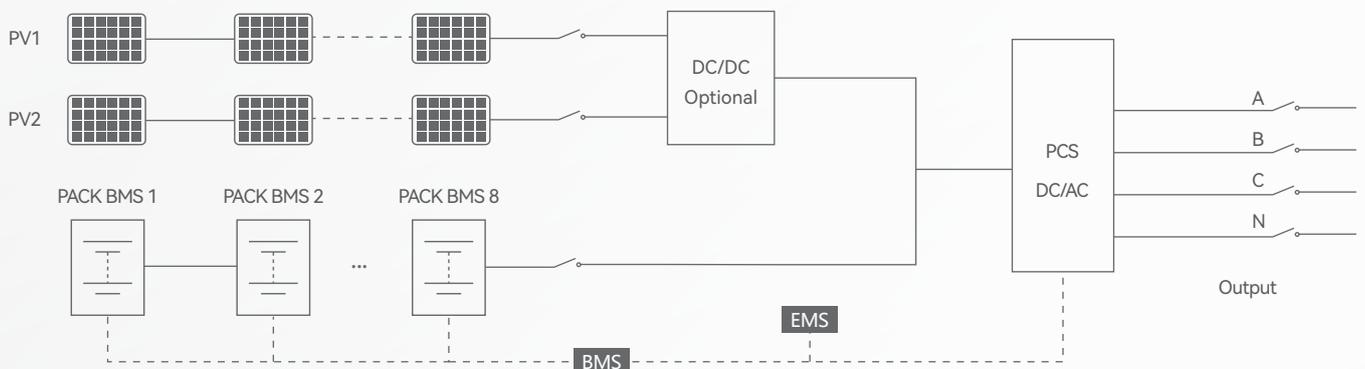
- PCS efficiency $\geq 98.5\%$, system efficiency $\geq 88\%$.
- Supports up to 5 units (on-grid).
- Intelligent energy dispatch helps boost profits.



Safe and Reliable

- Class1 electrical protection, adaptable to harsh environments.
- Precisely regulates cell temperature.
- Multiple operating modes and linkage actions.

TOPOLOGY STRUCTURE



TECHNICAL PARAMETER

Product Model

HNESS 230-L or HNESS 230/PV-L

PV Interface (Optional)

PV Input Voltage	300Vdc - 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/300Ah
System Configuration	3P240S
Rated Capacity	230.4kWh
Voltage Range	684V - 852V

AC Output (On-grid)

Rated Output Power	100kW
Rated Output Current	140A
AC Wiring	3L/N/PE
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

PRODUCT CERTIFICATES



UN38.3

CE-LVD

CE-EMC

IEC 62619:2022

SYSTEM WARRANTY

5 YEARS

≥8000 CYCLES

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