NENGHUI ENERGY

NB372L
Liquid-cooled Battery Cabinet
372kWh

Nenghui liquid-cooled battery cabinet adopts an advanced cabinet-level liquid cooling and temperature balancing strategy. The cell temperature difference is less than 3°C,which further improves the consistency of cell temperature and extends the battery life. The modular design makes the parallel solution more flexible and can be combined with the centralized PCS to form an ESS with higher energy density,which significantly improves the economy, safety and construction convenience of ESS projects.

Compact design
1.7m² footprint only, easy transportation and fast installation.

High integration
Multiple units connected in parallel achieve MV/HV connection with PCS-boost containers.

Efficient cooling
Optimal in-pack duct design, achieve high-efficient cooling and low energy consumption.

Long cycle life
Over 8,000 times cycle life, excellent performance of battery system.

Flexible expansion
Support seamless cabinets combination and flexible grid access.

Ultimate safety
In-pack fire warning and protection with NOVEC1230/aerosol, prevent heat diffusion and runaway.

Technical Specification

Specifications	
Cell Type	LFP280Ah
DoD	95% (25±2°C)
Configuration	1P416S
Rated Energy	372kWh
Rated Voltage	1331.2Vdc
DC Voltage Range	1165~1498Vdc
Pack Ingress Rating	IP65
Rated Charge/Discharge Rate	0.5P
Cycle Life	8,000 times
Operating Temperature	-25°C~55°C
Fire Safety	Aerosol
Ingress Rating	IP55
Cooling Method	Liquid cooling
Working Altitude	≤2,000m (derating above 2,000m)
Dimensions (WxDxH)	1,300x1,300x2,400 mm
Weight	3,660 kg
Compliance	UN38.3, IEC62477, IEC61000, IEC62619, IEC63056, UL9540A

Usage scenario

C&I PV, high voltage direct current coupled grid-connected energy storage system