

B229-1H

The B229-1H is a high C-rate all-in-one cabinet equipped with 320Ah automotive-grade LFP cells and a system rating of 230kW/229kWh, ideal for storage-charging integration and small-to-medium commercial & industrial applications.



High C Rate

Supports 1C continuous charge/discharge on the AC side, integrates with charging piles via DC coupling for 2C continuous discharge.



Flexible Adaption

Pre-installed DC expansion ports adapted to multiple modes such as storage+charging, storage, or PV+storage +charging



Optimized Application

Millisecond-level response to grid frequency regulation. Dynamic high-rate capacity expansion enhances grid stability and reduces project costs.



Ultimate Safety

C5 anti-corrosion grade + triple-layer fire protection + explosion-proof ventilation. Cell-level precision protection + system-level active defense.

SPECIFICATION

Model		B229-1H
Battery		
Battery Type		LiFePO ₄
Battery Capacity		320Ah
PACK Configuration		1P32S*7
Max. Charging Current		320A
Rated Discharging Current		640A
Max. Discharging Current		1280A
Voltage Range		649.6~806.4Vdc
Nominal Capacity		229kWh
On-grid AC Side		
Rated Power		230kW
AC Maximum Current		396A
AC Rated Voltage		400Vac
Wiring Method		3P3L+PE
Frequency		50Hz/60Hz
Power Factor		1(Leading)~1(Lagging)
THDi		≤1.5% (Rated power)
Photovoltaic (Optional)		
Max. Input Power		50kW*3
Max. Input Current		85A*3
Short-circuit Current		110A
Input Voltage Range		200~600Vdc
Start-up Voltage		250Vdc
MPPT Path		3
System		
Weight		2800±100kg (TBD)
Dimension (W/D/H)		1895*1520*2360mm
Max. Efficiency		90% (0.5C)
Operating Temperature		-20~50°C (Derating above 45°C)
Operating Humidity		0~95%RH (Non-condensing)
Ingress Protection		IP55
Anti-corrosion Grade		C3(Optional C5)
Cooling Method		PACK Liquid-cooling, PCS+DC/DC Air-cooling
Noise		≤75dB
Elevation		3000m (Derating above 2000m)
Display		Touch screen
Fire Protection		Aerosol, Water fire system, Multi-sensor/Water ingress, Audible&Visual alarm, Explosion-proof ventilation
Communication		Ethernet/4G/RS485

