

100230/BCH-100230H

100kW 230kWh Liquid-cooling Energy Storage Cabinet



Highly Flexible Design

Supports parallel operation of 2-10 units, with reserved MPPT expandable space.



Fire Protection System

Integrates fire detectors, aerosol modules, sound/light alarms, EMS gateway modules, and immersion sensors.



Safety & Durability

Corrosion-resistant flame-retardant enclosure with liquid cooling system, featuring IP65 battery / IP54 electrical compartments.



Three-Phase topology

Three-phase four-branch inverter, with a three-phase imbalance coefficient of 0% and a power factor (PF) of 1.

MODEL	BCH-100230
PV INTERFACE	
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 PARAMETER	
Cell type	LiFePO4
Cell specification	3.2V/100Ah
System configuration	3P240S
Rated capacity	230.4kWh
Voltage range	684~852V
AC PARAMETERS(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
GENERAL PARAMETERS	
Dimension(W*D*H)	1320*1280*2370mm
Max weight	2500KG
Operating temperature range	-20°C~50°C
Working altitude	< 2000m
Temperature control method	Battery: Liquid cooling; Electrical compartment: wind cooling
USAGE SCENARIOS	
Can be used outdoors	Approved