HBD-DC-410

A Series

Design Standards

The HBD-DC410 is a self-contained battery cabinet featuring pack-level liquid cooling and cell-level temperature balancing. It keeps cell temperature differences within 3°C, ensuring superior thermal uniformity and longer battery life. With a modular design, it supports flexible parallel configurations and can be integrated with a centralized PCS to form a complete ESS solution. This delivers higher energy density and greatly improved overall cost-effectiveness.

Benefits

- High Energy Density: Top-tier 314Ah LFP cells
- Comprehensive Safety Protection: Multi-layer protection
- High Compatibility: Compatible with multiple electrical solutions
- Intelligent Operation: Smart EMS

Warranty

Kindly check "WARRANTY MANUAL"



General Information		HBD-DC-410
Rated Battery Storage Capacity		418kWh
Battery Stack		1P416S
Rated Voltage		1331.2VDC
DC Voltage Range		1164.8VDC~1497.6VDC
Charge/Discharge Rate		0.5P
Protection Class		IP55
Loading Dimension (W*D*H)		1500*1350*2400mm
Net. Weight		3800kg
Loading Capacity	20'GP	N/A
	40'HC	6 units
Discharge Temperature Range		-25~55°C (> 45°C derating)
Max Altitude		3000m (> 2000m derating)

ISO 9001:2015 ilac-MRA CE

aksa BESS



HBD-DC 410



1 $LiFePO_4$ BATTERY: Long Life Design Up to 8000 cycles
High Quality Based on Specification Consistency of CELLS~!
C-4 LEVEL ANTI-CORROSION SUITABLE WITH HEAVY DUTY
1.4m² Footprint Only, Easy transportation & fast installation
MODULAR DESIGN, simplified parallel expansion.



2 INTEGRATED with PCS EMS BMS
EASY OPERATION ON ONE SCREEN



3 Aerosol & Water Fire Suppression fully guarantee the safe operation of the system
Fits the practical application & guaranteed by high-quality manufacturing technology.

HBD



PV
Renewable Energy



INVERTER
Remote Monitoring
& Control



CLOUD
Remote Monitoring
& Control



STS



HBD-DC-410



GENSET
Power Consumption



PCS
Optional



ATS



LOAD
Remote Monitoring
& Control



GRID
Backup Power

ALL-IN-ONE SOLUTION

BATTERY STORAGE
Reliable & Safe

EMS
Smart Energy
Management

PCS
Bidirectional Power
Conversion

REMOTE CONTROL
Monitor Anytime,
Anywhere