HBD-30-100
HBD-40-100
HBD-50-100

E Series

Design Standards

HBD®-E is a new range of secure integrated Battery Energy storage system. This secure system combines LFP batteries, a hybrid inverter, and intelligent controls in a modular solution. It connects directly to PV arrays, or grid, enabling emission-free operation and reduced grid reliance. Developed to ensure power quality and provide emergency backup, the E-Series is an ideal, scalable solution for reliable and independent energy management.

Benefits

- **All-in-One Energy:** Enabling direct connection to Grid、PV arrays and diesel generators for versatile power input.
- **Installation.** Significantly reduces installation time and labor costs.
- **Smart Remote Control:** Monitor and manage via APP, 4G, or WiFi.
- **Scalable & Flexible:** Modular design supports parallel expansion.
- **Safety upgrades:** Added door open alarm, explosion venting valve, and water fire-fighting connection port for enhanced safety and reliable protection

Warranty

Kindly check "WARRANTY MANUAL"



General Information		HBD-30-100	HBD-40-100	HBD-50-100
Rated Output Power@25°C		30kVA	40kVA	50kVA
Rated Power Factor		0.8 lagging~0.8 leading		
Rated Output Voltage		380V@50/60Hz, 3ph. (400V & 415V available)		
Battery Storage Capacity		100kWh		
PV Input	Max Power	60kWp	80kWp	100kWp
	Max. input Current per MPPT	40A		
	Number of MPPT* Strings per MPPT	3*2	4*2	
Protection Class		IP54		
Loading Dimension (W*D*H)		800*1200*2100mm (excluding hybrid inverter)		
Net. Weight		1200kg		
Loading Capacity	20'GP	10 units		
	40'HC	20 units/40'GP		
Discharge Temperature Range		-20~55°C (> 45°C derating)		
Max Altitude		3000m (> 2000m derating)		

ISO 9001:2015 ilac-MRA CE

aksa BESS

HBD



PV
Renewable Energy



PV
(OPTION)



CLOUD
Remote Monitoring
& Control



INVERTER
Remote Monitoring
& Control

HBD-30-100



HBD-50-100

HBD-40-100



LOAD
Remote Monitoring
& Control



GRID
Backup Power



GENSET
Power Consumption

ALL-IN-ONE SOLUTION

BATTERY STORAGE
Reliable & Safe

EMS
Smart Energy
Management

PCS
Bidirectional Power
Conversion

REMOTE CONTROL
Monitor Anytime,
Anywhere