Smart ESS All-In-One Cabinet (50kW/100kWh)

iESS-HB-CAB-W100H

HOENERGY
HOLD YOUR ENERGY

All-in-one design

Integrated PV and storage system, and EMS smart energy management system;

Small footprint and IP54 protecting rating, suitable for various applications.

Safe & Reliable

Two-level fire suppression system to achieve comprehensive protection;

Built-in anti-lightning protection, high precision leakage protection.

Smart & User-friendly

Supporting multiple parallel connections to expand power and capacity;

Hybrid inverter external plug-in design, easy installation and maintenance.

Multiple benefits

Seamless transition to backup mode against power outages;

Free online monitoring and support remote/ local USB upgrade.

Data Sheet

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Model No.	iESS-HB-CAB-W100H
Battery parameters	
Battery type	LFP
Cell capacity	3.2V/280Ah
Cell configuration	1P112S
Nominal capacity	100.35kWh
Rated voltage	358.4V
Voltage rage	DC 302.4-397.6V
Rated charge/discharge ratio	0.5C
Depth of discharge	90%
Cooling method	Air cooling
AC parameters	
Rated AC power	50kW
Max AC power	55kW
THDi	<3%
DC component	< 0.5%
Rated voltage	380 VAC
Grid voltage range	320V~460V
AC output topology	3P+N+PE
Grid frequency	50/60Hz
Power factor	0.98(leading)~0.98(lagging)
System parameter	
Dimensions(WxDxH)	1550*1050*1740mm
Weight	1.5t
Protection grade	IP54
Anti-corrosion grade	C4
Operating temperature	-20℃~55℃
Storage temperature	-30℃~55℃
Relative humidity	≤100%
Temperature control	Industrial air-conditioning
Fire protection	Aerosol
Altitude	≤3000m
PCS cooling method	Forced air cooling
Communication protocol	MODBUS /RS485
Communication interface	RJ45

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