

Smart ESS All-In-One Cabinet (100kw/200kWh)

iESS-CAB-W200H



Safe & Reliable

LiFePO4 battery cell, comply with IEC/UL/GB standard;

Advanced battery safety management system, multi-sampling point coverage, real-time data feedback;

Three-level fire protection, much safer.



Integrated design

AC & DC cabinet can be independently designed;

Small footprint, plug and play, easy to install and maintain;

IP54 protection grade, Meet multi-scenario applications.



Intelligent & friendly

BEMS dual-channel integrated design, more stable;

Digital system, rapid diagnosis, support remote monitoring;

VPP node design can respond to third-party platform scheduling.



Multi-scenario application

0.25C and 0.5C free combination;

Meet Multi-scenario commercial energy storage requirements.

Data Sheet

Model No.	iESS-CAB-W200H
Battery parameters	
Battery type	LiFeP04
Cell capacity	3.2V/280Ah
Cell configuration	1P224S
Nominal capacity	200kWh
Rated voltage	716.8V
Voltage rage	DC560~817.6V
Rated charge/discharge ratio	0.5C
Depth of discharge	90%
Cooling method	Air cooling
AC parameters	
Rated AC power	100kW
Max AC power	110kW
THDi	<3%
DC component	< 0.5%
Rated voltage	380V AC
Grid voltage range	320V~460V
AC output topology	3P+N+PE
Grid frequency	50/60Hz
Power factor	0.98(leading)~0.98(lagging)
Off-grid operation	Optional
System parameter	
Dimensions(WxDxH)	1880×1000×2500mm
Weight	3.0t
Protection grade	IP54
Anti-corrosion grade	C5
Operating temperature	-20°C~60°C
Storage temperature	-30°C~60°C
Relative humidity	≤100%
Temperature control	Industrial air-conditioning
Fire protection	Aerosol+Perfluorohexanone+water fire-fighting system
Altitude	>3000m
PCS cooling method	Forced air cooling
Communication protocol	Modbus /104/4G
Communication interface	RS485, RJ45