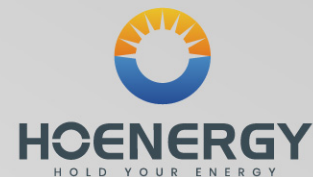


EFIS-D Series Smart PV ESS Cabinet

EFIS-D-W50/100



All-in-one Design

Integrated PV and storage system with super wide PV input voltage;

Small footprint and IP54 protecting grade for outdoor installation.

Convenient & Flexible

Support self-consumption, peak and valley arbitrage, backup power supply etc. various applications;

Seamless transition to backup mode against power outage.

Safe & Reliable

High-performance battery cell, meet IEC/UL/GB standard;
Advanced BMS, multiple sampling points coverage, real-time data feedback;

Independent single cluster battery, no circulating current, safer for use.

Smart & User-friendly

Digital System, fast diagnosis, support remote monitoring and upgrade;

Large screen LCD, human-machine interface interaction user-friendly.

Data Sheet

Model No.	EFIS-D-W50/100			
Battery Data				
Battery type	LiFePO4			
Battery Cell capacity	3.2V/280Ah			
Battery Cell combination	1P112S			
Nominal capacity	100.35 kWh			
Rated voltage	358.4V			
Voltage rage	DC 280~408.8V			
Max charge/discharge current	100A			
DOD	95%			
Cooling method	Fan cooling			
Inverter Data				
Inverter power	25kW	30kW	40kW	50kW
PV Input				
Recommended Max. input power[kW]	37.5	45.0	60.0	75.0
Start-up voltage[V]	135	135	135	135
Max. DC input voltage[V]	1000	1000	1000	1000
Rated DC input voltage[V]	620	620	620	620
MPPT voltage range[V]	200-850	200-850	200-850	200-850
No. of MPP trackers	4	4	4	4
No. of DC inputs per MPPT	2	2	2	2
Max. input current[A]	30×4	30×4	30×4	30×4
AC output				
Rated output power with PV[kW]	25	30	40	50
Max. charging/discharging power[kW]	25	30	36	36
Rated AC voltage	3L/N/PE; 220/380V;230/400V;240/415V			
Rated AC frequency[Hz]	50/60	50/60	50/60	50/60
Max. output current[A]	42	50	66	83
Back-up Data				
Rated output power with PV[kW]	25	30	40	50
Rated output power only battery[kW]	25	30	36	36
UPS switching time	<20ms	<20ms	<20ms	<20ms
Rated output voltage	3L/N/PE; 220/380V;230/400V;240/415V			
Rated output frequency[Hz]	50/60	50/60	50/60	50/60
Voltage harmonic distortion	<3% @Linear load			
System Data				
Dimensions(WxDxH)	1530*1280*1740mm			
Weight	1.5t			
Protection grade	IP55			
Anti-corrosion grade	C4/C5			
Operating temperature	-30°C~50°C			
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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