

EFIS-D Series

50kW/100kWh All-in-one ESS Cabinet

EFIS-D-W50/100



Smart & User-friendly

Intelligent EMS with diverse functions developed by Hoenergy
Digital System, fast diagnosis, support remote monitoring and upgrade
Colorful large screen LCD, human-machine interface interaction
user-friendly

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

All In One Design

Integrated PV and storage system with super wide PV input voltage
Small footprint and IP54 protecting grade for outdoor installation
environment;

Data Sheet

Model No.	EFIS-D-W50 / 100H
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 296.8~408.8V
Max charge/discharge current	100A
DOD	90%
Cooling method	Fan cooling
PV Input	
Max. input power	75KW
Max. input voltage	1000V
MPPT operating voltage range	200-850V/620V
Start-up voltage	180V
Max. input current	30A*4
Max. short circuit current	40A*4
No. of MPPT trackers	4
No. of strings per MPPT	2
AC Output	
Nominal output power	50KW
Norminal output voltage	380V/400V, 3L/N/PE
Norminal output frequency	50Hz/60Hz
Max. output current	83A
Power factor	~1 (0.8 lead to 0.8 lag, can be set)
THDi	<3%
Back-up Data	
Nominal output voltage	380V/400V, 3L/N/PE
Norminal output frequency	50Hz/60Hz
Norminal output current	83A
Nominal output power	35.8kW
Max. apparent power	35.8kVA
Max.Single-phase apparent power	12kVA
Switching time	<20ms
System Data	
Dimensions(WxDxH)	1530*1280*1740mm
Weight	1.5t
Protection grade	IP54
Anti-corrosion grade	C4
Operating temperature	-20°C~55°C
Storage temperature	-30°C~55°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

Contact us:

Shanghai Hoenergy Power Technology Co.,Ltd

Tel: +86 152 2195 1952

Email: info@hoenergy.com.cn

Website: www.hoenergypower.com

