

LITHIUM IRON PHOSPHATE BATTERY STACKED ENERGY STORAGE SYSTEM

HZF-51.2-100-SD



Intelligent

- ★ Each module is equipped with an independent BMS system.
- ★ LCD screen displays various battery status: SOC, current Temperature and Voltage.

Safe

- ★ The system uses high quality lithium iron phosphate power cell to bring better product performance and reliability.
- ★ Professional pack R&D design and production team.

Intelligent management

- ★ HZF-51.2-100-SD is equipped with intelligent BMS for each battery module to effectively manage the normal and stable operation of the module.
- ★ Compared with traditional modules, HZF-51.2-100-SD can meet the requirements of large storage capacity and greatly increase the cycle life.

Features

- ★ **Battery module:**Modular stacked design, the number of modules can be selected as required, rapid expansion, easy installation
- ★ **System base:**Mobile base.Equipped with heavy universal brake wheel and directional adjustment wheel.It can move flexibly Universal brake wheel brake can be fixed temporarily, directional adjusting wheel adjusting screw can be better fixed positioning.
- ★ **Inverter:**Optional parts. You can configure them as required.This equipment integrates inverter, MPPT solar charger,Battery charger function in one multifunctional inverter/ The charger.With a wide PV input range, when the energy is enough, can not be connected to the battery load, with high power density, small volume, simple operation high efficiency of the whole machine, small no-load loss and other advantages..

Application

- ★ HZF-51.2-100-SD is widely used in residential energy storage systems, stores, offices and other application scenarios.

Specification

Battery module		Model: HZF-51.2-100-SD
Battery type	LiFePO4	
Nominal battery energy	5.12KWh	
Nominal capacity	100Ah	
Nominal voltage	51.2V	
Operating voltage range	44.8V~58.4V	
Max continuous charge current	50A	
Max continuous discharge current	100A	
Net weight	53.5Kg	
Imension[L*W*H](mm)	560*508*186	
Operating temperature range	Charge:0~45°C; Discharge:-20~50°C	
[1] Cycle life	3000 Cycles	
Communication	CAN/RS485	
Warranty	5 Years	

System base		Model: HZF-51.2-100-DZ
Net weight	11.8Kg	
Dimension[L*W*H](mm)	560*508*150	

Inverter(optional)		Model: HZPV18-5248 PRO		
Inverter output	Rated power	5200VA/5200W		
	Surge power	10400W		
AC input	Voltage	230VAC±5%		
	Selectable voltage range	170~280VAC(UPS) /90~280VAC(APL) / 184~253VAC(VED4105)		
	Frequency range	50Hz/60Hz(Auto sensing)		
Solar charger & AC hargr	Max PV array open circuit voltage	450VDC		
	Charging algorithm	3-Step (Flooded battery, AGM / GEL / LEAD battery), 4-step (Li)		
	Max PV array power	5000W 6000W		
	PV array MPPT voltage range	150~430 VDC		
	Max solar charge current	80A	100A	
	Max AC charge current	60A	80A	
	Max charge current	80A	100A	
Net weight		24Kg		
Dimension[L*W*H](mm)		560*508*186		

[1]Test conditions:0.2C charging/discharging,@25C, 60%DOD