

SMART ENERGY STORAGE SYSTEM

HV 20.48/40.96/61.44/81.92KWh

ENP51100HS



KEY FEATURES



Convenient

Quick installation standard of stack mount designed module is comfortable for installation and maintenance.



Flexible Investment

Supports up to 16 units in series, with a total capacity of up to 81.92 kWh.



Flexible Configuration

Multiple battery modules can be in parallel for expanding capacity and power. Supports up to 8 parallel clusters, with a Max total capacity of 655.36 kWh.



Safe & Reliable

The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.



Intelligent BMS

Auto ID. The system can automatically manage charge and discharge state and balance current and voltage of each cell.



Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

Model		ENP51100-HS			
Main Parameter					
Cell Chemistry	LiFePO4				
Module Energy(kWh)	5.12				
Module Nominal Voltage (V)	51.2				
Module Capacity(Ah)	100				
Battery Module Qty in series. (Optional)	4 (Min)	8	12	16	
System Nominal Voltage (V)	204.8	409.6	614.4	819.2	
System Operating Voltage (V)	180~230	359~460	538~691	718~920	
System Energy (kWh)	20.48	40.96	61.44	81.92	
System Usable Energy(kWh)	18.5	36.86	55.29	73.72	
Charge/Discharge Current (A)	Recommend	50			
	Max	100			
	Peak (2 mins,25°C)	125			
Working Temperature(°C)	Charge: -10~50/Discharge:-20~55				
Status Indicator/Button	Green: Battery High Voltage Power On Red: Battery System Alarm				
Communication Port	CAN2.0/RS485				
Humidity	5~85%RH				
Altitude	≤2000m				
IP Rating of Enclosure	IP20				
Dimension (W/D/H,mm)	470.5*520*734	470.5*520*1322	470.5*520*1910	1400*520*750	
Weight Approximate (kg)	192	368	546	720	
Installation Location	Stack Mounting				
Storage Temperature(°C)	0~ 35				
Recommend Depth of Discharge	90%				
Cycle Life	25±2°C, 0.5C/0.5C, EOL70%≥6000				
Warranty	10years				
Certification	CE/IEC62619/ MSDS / UN38.3				

- 1 DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
- 2 The current is affected by temperature and SOC.
- 3 The warranty is due whichever reached first of warranty period or life cycle power.