

SMART ENERGY STORAGE SYSTEM

LV 5.12KWh

ENP51100-IP65



KEY FEATURES

 **Bluetooth**
(Optional)



IP65 Rating

Fearless of outdoor installation, strong environmental adaptability.



1C Discharge

Max discharge current: 100A, simultaneously supplying power to multiple loads.



Flexible Investment

Supports up to 128 units in parallel, with a total capacity of up to 655.36 kWh.



Smart BMS

Auto ID. Millisecond level status monitor, real time battery management, and optimization.



One-button start

When connected in parallel, pressing the switch on one battery will start the other batteries.



Multiple Install Method

Support wall-mount, floor-mount, stack-mount, rack-mount, saves space.

Model		ENP51100-IP65	
Main Parameter			
CellChemistry	LiFePO4		
Module Energy(kWh)	5.12		
Module Nominal Voltage (V)	51.2		
Module Capacity(Ah)	100		
Battery Module Qty in parallel. (Optional)	1-128		
System Nominal Voltage (V)	51.2		
System Operating Voltage (V)	43.2~57.6		
System Energy (kWh)	5.12~655.36		
System Usable Energy(kWh)	5~640		
Charge/Discharge Current (A)	Recommend	50	
	Max	100	
	Peak (2 s,25°C)	105	
Working Temperature(°C)	Charge: -10~50/Discharge:-20~55		
Display	SOC Status indicator LED indicator		
Communication Port	CAN2.0/RS485		
Humidity	5~85%RH		
Altitude	≤3000m (Derating above 2000m)		
IP Rating of Enclosure	IP65		
Dimension (W/D/H,mm)	440*635*134		
Weight Approximate (kg)	43		
Installation Location	Wall Mount, Stack Mount, Floor Mount		
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.