

## SMART ENERGY STORAGE SYSTEM

LV 5.12KWh [Ultra-thin series] 2U

ENP51100



### KEY FEATURES

 **Bluetooth**  
(Optional)



#### Global Thinnest

Ultra-thin series, 89mm only,  
Save transportation space.



#### 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.



#### Easier Space Layout

Battery could be laid out freely,  
high space utilization.



#### Multiple Install Method

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

Model		ENP51100
<b>Main Parameter</b>		
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	IP20	
Dimension (W/D/H,mm)	450*592*90	
Weight Approximate (kg)	42	
Installation Location	Rack Mount, Wall Mount, StackMount, 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.