

SMART ENERGY STORAGE SYSTEM

LV 5.12KWh

ENP51100-3U



KEY FEATURES

 **Bluetooth**
(Optional)



Superior Efficiency

Experience maximum efficiency with up to 90% usable energy.



Flexible Investment

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



Safe & Reliable

Intelligent temperature control guarantees battery safety and longevity.



Extended Service Life

Optimized cycle life exceeds 6000 cycles for long-lasting reliability.



Easy Installation

Auto ID, Modular design allows for quick and seamless integration.



Perfect Compatibility

Compatible to Single & Three Phase Inverters.

Model		ENP51100-3U
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		IP20
Dimension (W/D/H,mm)		440*520*134
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.