

SMART ENERGY STORAGE SYSTEM

HV 16.07-128.56KWh 【DC Boost 400V】

ENP51314-HV



KEY FEATURES



More Usable Energy

90% Depth of Discharge and Pack-Level Energy Optimization.



Flexible Investment

16.07 kWh Modular Design, Scalable from 16.07 to 128.56 kWh.



DC Boost

DC-DC Voltage boost to 400V, it can be directly matched with high-voltage conventional inverters.



Extended Service Life

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



IP65 Rating

Fearless of outdoor installation, strong environmental adaptability.



Easy Installation

High-voltage DCDC batteries support the mixed use of old and new batteries.

Model		ENP51314-HV DC Boost
Main Parameter		
CellChemistry		LiFePO4
Module Energy(kWh)		16.07
Module Nominal Voltage (V)		400
Module Capacity(Ah)		314
Battery Module Qty in series. (Optional)		1-8
System Nominal Voltage (V)		400
System Operating Voltage (V)		345~455
System Energy (kWh)		16.07~128.56
System Usable Energy(kWh)		15.74~125.92
Charge/Discharge Current (A)	Recommend	6.5
	Max	12
	Peak (2 s,25°C)	13
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)		505*860*230
Weight Approximate (kg)		124
Installation Location		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.