

# 11KW inverter/47.12KWH battery(ALL-IN-ONE)



## Larger Battery Capacity

Modular Design  
100% Deeply Discharge



## Simple Installation

38KG Hybrid Inverter Module  
75KG Battery Module



## Flexible Application

11.78KWh modular design  
11-70KWh Flexible Expansion



## Transparency

Wi-Fi Connection  
Real Time Monitoring System



## Safe & Reliable

Lithium Battery (LiFePO<sub>4</sub>)  
Grade A Battery Cell  
Life Over 6000 Cycles



## Active Safety

Smart BMS System  
Fire Extinguishers installed

Model	ESN-5128002-LFOESS
<b>47.12KWh Lithium Battery</b>	
<b>Performance</b>	
Rated voltage	51.2V
Rated capacity	230Ah*4
Battery Capacity	47.12KWh
Maximum continuous discharge current	230A
Standard charging current	<150A
Standard discharge current	<215A
<b>Communication</b>	
Communication	RS232, RS485, CAN
<b>General Specification</b>	
Dimension(W × D × H mm)	632*590*1397mm
Weight(kg)	361Kg
Cell type	Lithium Battery (LiFePO <sub>4</sub> )
Installation	Wheel Style/Floor Stand
Operating suitable temperature	-20°C ~65°C
Cycle life	Over 6000 Cycles
Guarantee	>10 years
<b>Standard Compliance</b>	
Certificates	UN38.3,MSDS,IEC,CE,
<b>11KW Hybrid Inverter</b>	
<b>Input</b>	
AC Voltage Range	90~280VAC OR 170~280VAC
PV Voltage Range	PV (DC) 360~500VDC; MPPT 90 ~ 450VDC
Frequency range	50Hz/60Hz(Auto detection)
<b>Output</b>	
Output power rating	11000W
Output voltage	220/230/240VAC ± 5%
Output frequency	50/60Hz ± 0.1%
Wave form	Pure sine wave
Peak power	22000W
<b>Battery</b>	
Rated Voltage	48Vdc
Floating charge voltage	54vdc
<b>Solar charge &amp; AC charge</b>	
Maximum input power	5500W+5500W
MPPT input voltage range	90~450Vdc
Best Vmp operating range	300~400Vdc
Maximum PV input voltage	500Vdc
Maximum PV input current	18A/18A
Maximum PV/AC charging current	150A
<b>Environment</b>	
Operating temperature	-10~65°C
Altitude	less 1000m,maximum 4000m
Noise	≤50db