

# 5KW inverter/20.48KWH battery(ALL-IN-ONE)



## Larger Battery Capacity

Modular Design  
100% Deeply Discharge

## Flexible Application

5.12KWh modular design  
5-30KWh Flexible Expansion

## Safe & Reliable

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

## Simple Installation

25KG Hybrid Inverter Module  
55KG Battery Module

## Transparency

Wi-Fi Connection  
Real Time Monitoring System

## Active Safety

Smart BMS System  
Fire Extinguishers installed

Model	ESN-5124001-LFOESS	
<b>20.48KWh Lithium Battery</b>		
<b>Performance</b>		
Rated voltage	51.2V	
Rated capacity	100Ah*4	
Battery Capacity	20.48KWh	
Maximum continuous discharge current	100A	
Standard charging current	<100A	
Standard discharge current	<100A	
<b>Communication</b>		
Communication	RS232, RS485, CAN	
<b>General Specification</b>		
Dimension(W × D × H mm)	550*492*1110mm	
Weight(kg)	266Kg	
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,RoHs	
<b>5KW Hybrid Inverter</b>		
<b>Input</b>		
Rated Voltage	220/230/240VAC	
Voltage Range	90-280VAC ± 3V(Normal)170-280VAC ± 3V(UPS Model)	
Frequency range	50Hz/60Hz(adaptive)	
<b>Output</b>		
Output power rating	5500W	
Output voltage	220/230/240VAC ± 5%	
Output frequency	50/60Hz ± 0.1%	
Wave form	Pure sine wave	
Peak power	11000VA	
<b>Battery</b>		
Rated Voltage	48Vdc	
Floating charge voltage	54vdc	
<b>Solar charge &amp; AC charge</b>		
Maximum input power	5500W	
MPPTinput voltage range	120~500Vdc	
Best Vmp perating range	300~400Vdc	
Maximum PV input voltage	500Vdc	
Maximum PV input current	27A	
Maximum PV/AC charging current	100A/60A	
<b>Enviroment</b>		
Operating temperature	-10~65°C	
Altitude	less 1000m,maximum 4000m	
Noise	≤50db	