

# 11KW inverter/11.78KWH 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-5122002-LFOESS	
<b>11.78KWh Lithium Battery</b>		
<b>Performance</b>		
Rated voltage	51.2V	
Rated capacity	230Ah*1	
Battery Capacity	11.78KWh	
Maximum continuous discharge current	230A	
Standard charging current	<150A	
Standard discharge current	<150A	
<b>Communication</b>		
Communication	RS232, RS485, CAN	
<b>General Specification</b>		
Dimension(W×D×H mm)	632*590*620mm	
Weight(kg)	136Kg	
Cell type	Lithium Battery (LiFePO <sub>4</sub> )	
Installation	Wheel Style/Floor Stand	
Operating suitable temperature	-20℃~65℃	
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℃	
Altitude	less 1000m,maximum 4000m	
Noise	≤50db	