

11KW inverter/23.56KWH battery(ALL-IN-ONE)



Larger Battery Capacity

Modular Design
100% Deeply Discharge

Flexible Application

11.78KWh modular design
11-70KWh Flexible Expansion

Safe & Reliable

Lithium Battery (LiFePO₄)
Grade A Battery Cell
Life Over 6000 Cycles

Simple Installation

38KG Hybrid Inverter Module
75KG Battery Module

Transparency

Wi-Fi Connection
Real Time Monitoring System

Active Safety

Smart BMS System
Fire Extinguishers installed

Model	ESN-5124002-LFOESS
23.56KWh Lithium Battery	
Performance	
Rated voltage	51.2V
Rated capacity	230Ah*2
Battery Capacity	23.56KWh
Maximum continuous discharge current	230A
Standard charging current	<150A
Standard discharge current	<215A
Communication	
Communication	RS232, RS485, CAN
General Specification	
Dimension(W × D × H mm)	632*590*879mm
Weight(kg)	211Kg
Cell type	Lithium Battery (LiFePO ₄)
Installation	Wheel Style/Floor Stand
Operating suitable temperature	-20°C ~65°C
Cycle life	Over 6000 Cycles
Guarantee	>10 years
Standard Compliance	
Certificates	UN38.3,MSDS,IEC,CE,
11KW Hybrid Inverter	
Input	
AC Voltage Range	90~280VAC OR 170~280VAC
PV Voltage Range	PV (DC) 360~500VDC; MPPT 90 ~ 450VDC
Frequency range	50Hz/60Hz(Auto detection)
Output	
Output power rating	11000W
Output voltage	220/230/240VAC ± 5%
Output frequency	50/60Hz ± 0.1%
Wave form	Pure sine wave
Peak power	22000W
Battery	
Rated Voltage	48Vdc
Floating charge voltage	54vdc
Solar charge & AC charge	
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
Environment	
Operating temperature	-10~65°C
Altitude	less 1000m,maximum 4000m
Noise	≤50db