12KW inverter/45KWH battery(ALL-IN-ONE)

3 Phase

Larger Battery Capacity
Modular Design
100% Deeply Discharge

Flexible Application
15KWh modular design
15-60KWh Flexible Expansion

Safe & Reliable
Lithium Battery（$LiFePO_4$）
Grade A Battery Cell
Life Over 6000 Cycles

Simple Installation
49KG Hybird Inverter Module
102KG Battery Module

Transparency
Wi-Fi Connection
Real Time Monitoring System

Active Safety
Smart BMS System
Fire Extinguishers installed

ESS ONE

Model	ESN-5129003-LFOESS
45KWh Lithium Battery	
Performance	
Rated voltage	51.2V
Rated capacity	300Ah*3
Battery Capacity	45KWh
Maximum continuous discharge current	300A
Standard charging current	<150A
Standard discharge current	<230A
Communication	
Communication	RS232、RS485、CAN
General Specification	
Dimension(W × D × H mm)	740*740*1140mm
Weight(kg)	390Kg
Cell type	Lithium Battery（$LiFePO_4$）
Installation	Wheel Style/Floor Stand
Operating suitable temperature	-20℃~65℃
Cycle life	Over 6000 Cycles
Guarantee	>10 years
Standard Compliance	
Certificates	UN38.3,MSDS,IEC,CE,RoHs
12KW Hybird Inverter	
Input	
AC Voltage Range	170~280VAC OR 305~480VAC
PV Voltage Range	PV (DC）360~500VDC；MPPT 200～650VDC
MPPT Quantity	2pcs
Max charge current	Main 120A; hybird charge 260A
Frequency range	50Hz/60Hz(Auto detection)
Output	
Output power rating	12000W
Output voltage	230VAC/400VAC
Output frenquency	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	9000W+9000W
MPPT input voltage range	200~650Vdc
Maximum PV input voltage	800Vdc
Maximum PV/AC input current	22A+22A
Maximum PV/AC charging current	PV:260A, AC:120A
Enviroment	
Operating temperature	-10~65℃
Altutude	less 1000m,maximum 4000m
Noise	≤50db