

ESS-112 MICROGRID-PV-STORAGE-DIESEL Charging System



Integration of PV, energy storage, and diesel generation



Automatic switching between grid-connected and off-grid loads



50KW high-power PV input



Fast installation and deployment



Up to 4 units for parallel operation



Simple and easy to use

ESS -112 Product Introduction

Battery model	ES 112-HVLC
Capacity	112.5kWh-HV (16.08kWh*7)
Nominal Voltage	358.4V
Nominal Capacity	314AH
Cabinet Size (mm)	900x1250x2258
Weight (kg)	1200KG
Charge/discharge power MAX	150A
Cooling method	Air-cooled
Protection class	IP54
Type of firefighting	Aerosol
Batterie Specifications	
Battery Types	51.2V-314AH
Nominal Capacity (KWh)	16.08KWh
Recommend Charge/Discharge Current (A)	100
Max. Charge/Discharge Current (A)	150
Communication	RS485/CAN
Working Temperature	0°C~50°C (Charge) ; -10°C~50°C (Discharge)
Transport or Storage Temperature Range	-20°C~60°C
Certification	CE/IEC/UL/UN38.3/MSDS
Design Life	10years+
Cycle Life	(0.5C/0.5C-80% DOD)>6000 times
Cooling method	Air-cooled
Certification	UN38.3/MSDS/ROHS
Inverter	
Inverter model	SNF50K
Rating	50KW
Overloaded	110%
Rated AC Voltage	400V
Rated frequency	50/60Hz