

3.5kW / 5.5kW Off-grid Inverter

Features



- Pure sine wave MPPT solar Inverter
- High PV Input voltage range
- Built-in 100A MPPT solar
- Wlth Touch Buttons
- Built-in anti-dusk kit for harsh environment
- Support lithium Iron battery
- Battery equalization function to optimize battery performance and extend lifecycle
- Reserved communication port (RS485, CAN- BUS or RS232) for BMS(Optional)

Advantages



IP20
2Y warranty

IGBT
INFINEON

MOSFET
Toshiba

Product Parameters

Model		SAGE ESF II-PRO3.5KW	SAGE ESF II-PRO5.5KW	SAGE ESF II-5.5KW/P
Input	Rated Power	3500VA/3500W	5500VA/5500W	5500VA/5500W
	Voltage	230 VAC		
	Selectable Voltage Range	170-280 VAC (For Personal Computers); 0-280 VAC (For Home Appliances)		
	Frequency Range	50Hz / 60Hz (Auto Sensing)		
Output	AC Voltage Regulation (Battery Mode)	230 VAC ± 5%		
	Surge Power	7000VA	11000VA	
	Efficiency (Peak)	Up to 93.5%		
	Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)		
	Waveform	Pure Sine Wave		
	Battery	Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage		27 VDC	54 VDC	
Overcharge Protection		33 VDC	63 VDC	
Solar charger & AC charger	Maximum PV Array Power	4500W	5500W	
	Maximum PV Array Open Circuit Voltage	500 VDC		
	MPPT Range @ Operating Voltage	120 ~ 450 VDC		
	Maximum Solar Charge Current	100A		
	Maximum AC Charge Current	80A		
	Maximum Charge Current	100A		
Physical	Dimension (DxWxH)	115 × 300 × 400 mm	225 x 420 x 550 mm	
	Net Weight	Approx. 8.5 kg	Approx. 9.0 kg	Approx. 12.1 kg
	Communication Interface	USB / RS232		
	Parallel Opearation	No	No	Yes, up to 6 units
Environment	Humidity	5% to 95% Relative Humidity (Non-condensing)		
	Operating Temperature	-10 °C ~ 50 °C		
	Storage Temperature	-15 °C ~ 60 °C		
	Warranty	2 Years (Standard)		
	Protection Class	IP20		
	Safety Standard	EN 61000-6-3, EN 61000-6-1, EN 61000-3-11, EN 61000-3-12, EN 62109-1, EN 62109-2		