

# 4KW / 6KW Single-phase Hybrid Inverter



## Features

- Max PV Input Current 27A**  
 Designed with 27 A PV input current; compatible to the market trend of increased 1 mp in solar panel.
- Easy Access**  
 Two outputs for smart load management  
 The second output can be scheduled on& off based on setting cut-off voltage or SOC
- Batteries**  
 Battery equalization function extend lifecycle  
 Reserved comport (RS-485,CAN) for BMS.
- Protection**  
 Built- in anti-dusk kit for harsh environment  
 AC overcurrent.AC overvoltage,Over-heat protection.
- On- Grid and Off- Grid**  
 SUNIZE ESH Series is suitable for on-grid and off-grid applications.
- Interface**  
 Global cloud platform Mobile APP anytime and any where Open APP, support power internet applications.



Hybrid



## Product Parameters

Model	SAGE ESH-4KW	SAGE ESH-6KW	
AC	Rated Power	4000VA / 4000W	6000VA / 6000W
	AC Voltage	230VAC	
	Voltage Range	170~280VAC (For Personal Computers) ; 90~280VAC (For Home Appliances)	
	Frequency Range	50Hz / 60Hz (Self-adapting)	
	Surge Power	8000VA	12000VA
	Voltage Regulation (Battery Mode)	230VAC ± 5%	
	Rated Frequency	50Hz / 60Hz	
	Efficiency (Peak)	93.50%	
	Automatic Switching Time	10ms (For Personal Computers) ; 20ms (For Home Appliances)	
Solar Charger & AC Charger	MAX PV Array Open Voltage	500VDC	
	MAX PV Array Power	5000W	6000W
	MPPT Input Voltage Range	60~450VDC	
	MAX Input Current	27A	
	MPPT Tracker / Strings	1	
	MAX Solar Charge Current	120A	
	MAX AC Charge Current	100A	
Battery	MAX Charge Current	120A	
	Battery Voltage	24VDC	48VDC
	Floating Charge Voltage	27VDC	54VDC
	Overcharge Protection	33VDC	63VDC
Protection	Battery Type	Li-ion / Lead-acid	
	AC Overcurrent	Yes	
	AC Overvoltage	Yes	
	Overheat Protection	Yes	
	Smart Load Management	Yes	
General Parameter	On Grid	Yes	
	Operation Temperature	0°C~50°C	
	Relative Humidity	0%~95% (Non-condensing)	
	Altitude	(Derating occurs when >2000m )	
	Dimensions (D*W*H)	434*311*126.5mm	
Display & Communication	Net Weight	Approx. 8.5kg	Approx. 9.0kg
	Display	Touch Key + LCD	
	Interface	RS485 / CAN (Optional: WiFi / Bluetooth)	
Safety Standard	EA/IEC 62109-1 EN/IEC62109-2		