

## 3.6kW~8kW Single-phase Hybrid Inverter

### Features

- Hybrid solar Inverter(on/off grid Inverter).
- Output power factor PF-1.0.
- On-grid with energy storage .
- Configurable AC/Solar Charger priority via LCD setting.
- Smart battery charger design for optimized battery performance.
- Overload, Over temperature, Short circuit protection. Fault record, History record.
- External WIFI devices.
- Parallel operation with up to 9 units.



### Advantages



**IP20**  
2Y warranty

**IGBT**  
INFINEON

**MOSFET**  
Toshiba

### Product Parameters

Model	SAGE ESH-IV 3.6KW/P	SAGE ESH-IV 5.6KW/P	SAGE ESH-IV 8KW/P	
Rated Power	Rated Power	3600W	5600W	8000W
	Maximum PV Array Open Circuit Voltage	500 VDC		
	MPPT Input Voltage Range @ Operating	90 ~ 450 VDC		
Grid output (AC)	Nominal Output Voltage	220/ 230/ 240 VAC		
	Output Voltage Range	184 ~ 265 VAC		
	Nominal Output Current	16.4A/15.7A/15A	25.5A/ 24.3A/ 23.3A	
	Efficiency	Up to 93.5%		
Grid Input	Acceptable Input Voltage Range	120 ~ 280 VAC		
	Frequency Range	50Hz / 60Hz (Auto Sensing)		
Battery mode output(AC)	Nominal Output Voltage	220/ 230/ 240 VAC		
	Output Wave Form	Pure Sine Wave		
Battery & Charger	Nominal DC Voltage	24 VDC	48 VDC	
	Maximum Solar Charge Current	120A		
	Maximum AC Charge Current	120A		
	Maximum Charge Current	120A		
Emergency output power	Maximum Output Power	3600W	5600W	8000W
	Surge Power	7200W	11200W	16000W
	Transfer Time	< 8 ms		
Interface	Communication	Yes(optional)		
	Parallel Function	Yes		
Environment	Operating Temperature	0 ~ 90% RH (Non-condensing)		
	Humidity	0 ~ 50°C		
	Net Weight(KG)	9	10	18.8
	Rough Weight(KG)	10	11	21
	Dimension (DxWxH)	480 x 302 x 120 mm		