

SunAura 3.5KS5T/5.5KS5T

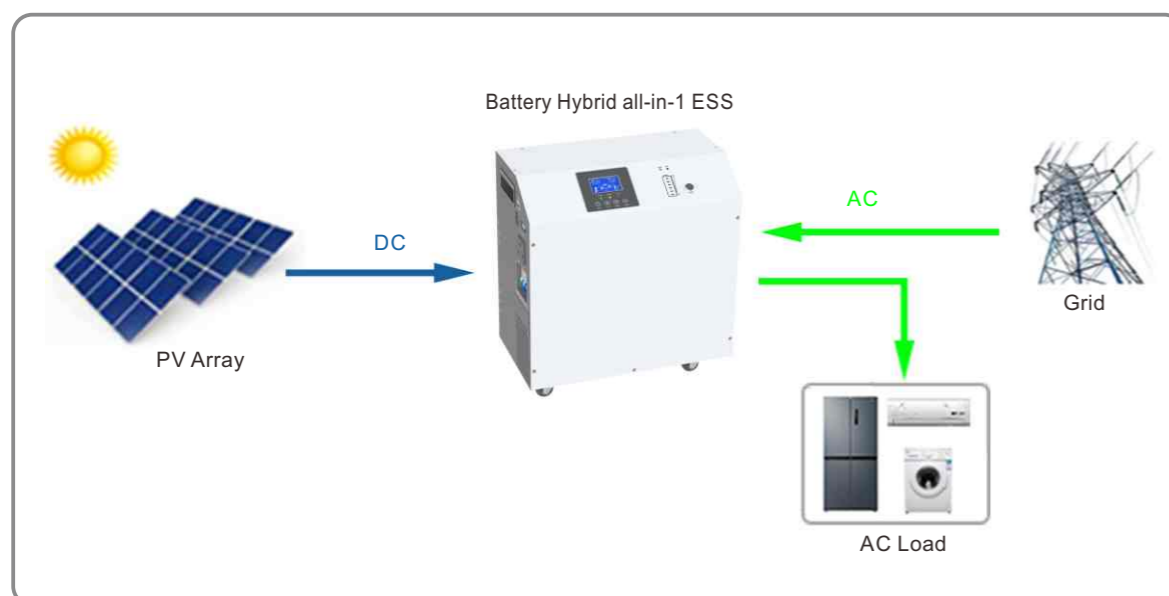
Hybrid Solar inverter energy storage system

Features

- Pure Sine Wave Output, Power Factor 1.0
- Wider PV input voltage range: 120V~450Vdc
- Programmable supply priority for PV, Grid or Battery
- User-Friendly LCD Panel +LED Display
- Capable to Remote monitor inverter With wifi or 4G
- LiFePo4 prismatic atterycell, high safety Secured by integrated superior vehicle-level BMS
- Compact and light, quick installation and configuration
Prefabricated and connectors for plug and play



System Diagram



MODEL	SunAura 3.5KS5T	/	SunAura 5.5KS5T
PV Array			
Max.PV Array Power	4000W	/	6000W
Max.PV Array Open-Circuit Voltage	500V		
Start-up Voltage	120~450V		
MPPT Operating Voltage Range	100V		
Nominal Input Voltage	360V		
Max. Input Current MPPT	20A	/	
Max. Short Circuit Current MPPT	22A	/	30A
Battery Data			
Battery Type	LFP (LiFePO4)		
Battery usable energy	5.12kwh		
Nominal Battery Voltage(V)	51.2V		
Battery Voltage Range(V)	42.0~57.6 V		
AC Input			
Nominal Voltage	230Vac		
Voltage Range	170~275Vac		
Frequency	50/60Hz (Auto sensing)		
Max. Input Current	22A	/	36A
AC Output			
Nominal Voltage	220/230VAC±5%		
Output Voltage Waveform	Pure Sine Wave		
Rated Output Power	3500VA/3500W	/	5500VA/5500W
Peak Output Power	5100VA	/	8000VA
Nominal Output Frequency	50/60Hz		
Transfer Time	<10ms		
Max. PV to AC Efficiency	96.5%		
Max. Battery to AC Efficiency	93.0%		
Protection			
PV Insulation Resistance Detection	Yes		
Residual Current Monitoring	Yes		
General Data			
Operating Temperature Range	-10~50°C		
Relative Humidity	0~95%		
Max. Operating Altitude	<4000m		
Cooling Method	Intelligent Fan cooling		
Display	LED + LCD		
Communication with BMS	RS485		
Communication with Cloud	WiFi/4G		
Degree of Protection	IP20		
Weight	49kg	/	50kg
Dimension (W*H*D)	450*485*240mm		
Mounting Method	TOWER		