

Hybrid Inverter (Off Grid)

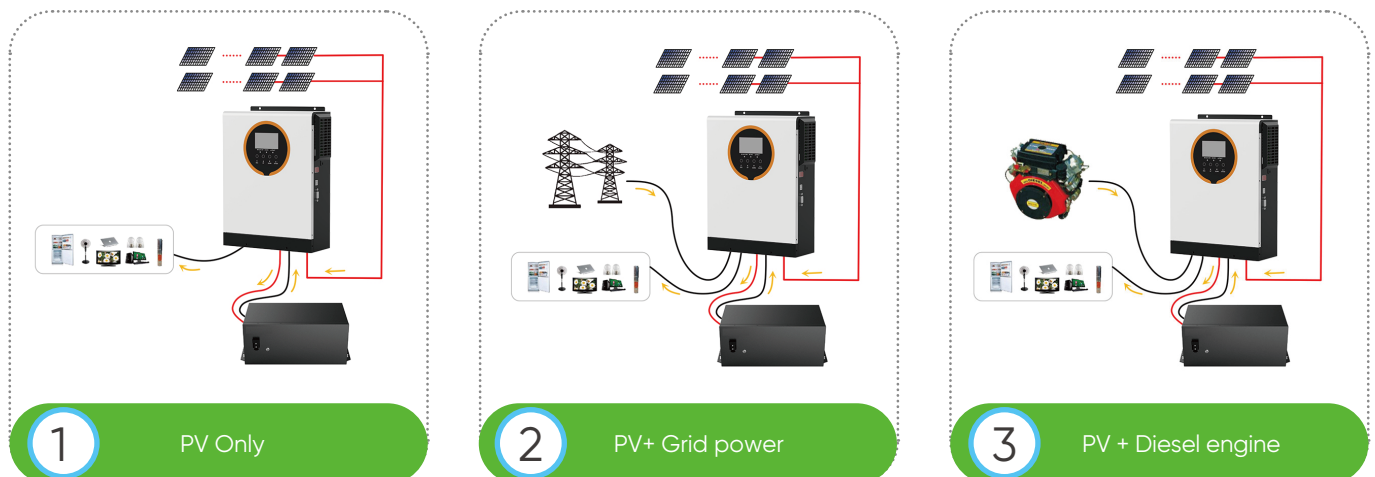


Product Description

Of-grid hybrid inverters combine multiple functions such as inverter, MpT solar controller, and malins charging, which are committed to providing stable power for electrical equipment in areas experiencing power outages and shortages and unstable power supply. Inverters are designed to output pure sine wave and convert DC power into AC power based on a fully digital intelligent solution with advanced SPWM technology. The OLU series inverters are suitable for AC loads such as household appliances, power tools, industrial equipment, and audio & visual equipment.

The LCD screen can display real-time machine status to ensure the safe and stable operation of the system.

System Schematic



Technical Specifications

Model	SAS1512VMII	SAS3024VMII
Rated power	1200W/1500VA	2400W/3000VA
Peak power	Bypass 2200VA	Bypass 4400VA
Parallel function	No	
Input		
Input format	L+N+PE	
Input voltage	220Vac, 50/60Hz±0.1%	
Input power factor	≥ 0.95	≥ 0.99
Voltage range	90~280Vac±3V(ormal mode) / 170~280Vac±3V(UPSmode)	
Frequency range	40~70Hz±0.1%	
Output		
Output voltage	208Vac / 220Vac / 230Vac / 240Vac±5%, 50/60Hz±0.1%	
Line Mode to Battery Mode	PC 10ms, Household appliance 10ms	
Overload capacity (battery mode)	1min@102%~110%Load; 10s@110%~130%Load; 3s@130%~150%Load; 0.2s@>150% Load	
Peak efficiency (battery mode)	90.5%@12VDC	92.7%@24VDC
Standby power	< 60W	< 65W
Battery		
Rated voltage	12VDC	24VDC
Starting voltage	11.5VDC	21VDC
Constant charging voltage (adjustable)	14.1VDC	27VDC
Overcharge voltage	16VDC	30.5VDC
Floating voltage (adjustable)	13.8VDC	28.2VDC
Charge		
Charging method	Two/Three Stage Style	
PV maximum input current	14A	15A
PV maximum input power	1000W	5000W
PV input voltage range	15-125VDC	40-500VDC
MPPT tracking range	20-100VDC	40-450VDC
Charging current	2-120A(Adjustable)	
Maximum mains charging current	60A	100A
Maximum PV charging current	60A	100A
Tracking efficiency	99.5% max	
Display		
LCD	Operating mode/load/input/output, etc	
Interface		
RS232	5PIN / Pitch2.0mm, BAUD2400	
Expansion Slots	2X5 PIN / Pitch2.54mm ; Scalable SNMP card, USB, dry dock card, lithium battery BMS communication card, WIFI card	
Parallel interface (optional)	No	
Environment		
Temperature and humidity	0~50℃ ; 20%~95% (No condensation)	
Noise	≤ 60dB	
Storage temperature	-15~60℃	
Altitude	The altitude should not exceed 1000m. If the altitude is above 1000m, the rating should be reduced to a maximum of 4000m, according to IEC62040	