

SDPO Off Grid Hybrid Inverter(EU Model)

1-11kW



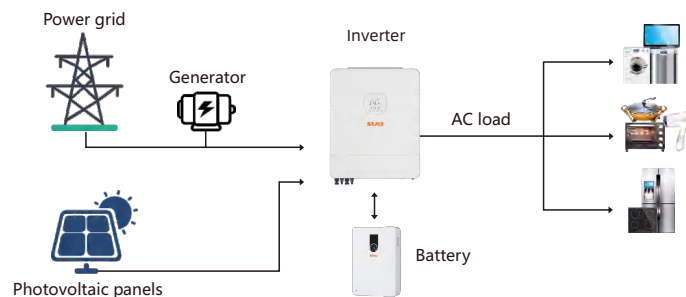
Product Introduction

The SDPO off grid hybrid inverter combines photovoltaic and mains charging and discharging, UPS bypass, and battery inversion functions. It can intelligently adjust the work priority, communicate with home lithium batteries, and can also increase output power through multiple sets of parallel machines. It can be applied in different application scenarios such as homes, RV, agriculture, and industry.

Product features

- 1 Advanced SPWM technology, pure sine wave output
- 2 Automatic activation of lithium batteries
- 3 Four charging modes including photovoltaic, mains, photovoltaic priority, and hybrid charging
- 4 Advanced MPPT technology with an efficiency of up to 99.9%
- 5 Three output modes: photovoltaic, inverter, and mains bypass

Product Connection Diagram



Product Parameters

Model	SDPO-1kW		SDPO-1.5kW	SDPO-3kW
AC/Generator input				
Rated input voltage	220/230/240VAC			
Voltage range	90-280VAC ± 3V (household appliance mode) 170-280VAC ± 3V (UPS mode)			
Frequency	50/60Hz (adaptable)			
Inverted output				
Rated power	1000W	1500W	3000W	
Output voltage	220/230/240VAC±5%			
Waveform	Pure sine wave			
Switching time (adjustable)	Computer equipment 10ms, household appliances 20ms			
Peak power	2000W	3000W	6000W	
Battery				
Battery type	Lithium ion batteries/lead-acid batteries/user-defined			
Rated battery voltage	12Vdc	24Vdc	24Vdc	
Battery voltage range	10~15.6V	20~31V	20~31V	
PV input				
PV charging method	MPPT			
PV maximum input power	600W	1200W	5000W	
Maximum PV Input Current	18A	18A	18A	
MPPT tracking range	20-150VDC	30-150VDC	60-500VDC	
Maximum PV charging current	40A	40A	100A	
Maximum AC charging current	40A	40A	60A	
Maximum total charging current	80A	80A	100A	
Basic parameters				
Communication interface	USB/RS485 (optional WiFi)/dry connector			
Parallel interface	/	/	/	
Product size (mm)	290*240*91	290*240*91	495*312*125	
Package size (mm)	340*295*145	340*295*145	565*385*195	
NW. (kg)	3.5	3.6	9.13	
GW. (kg)	4	4.2	10.35	

Product Parameters

Model	SDPO-4KW		SDPO-6.2KW		SDPO-11KW	
AC/Generator input						
Rated input voltage	220/230/240VAC					
Voltage range	90-280VAC ± 3V (household appliance mode) 170-280VAC ± 3V (UPS mode)					
Frequency	50/60Hz (adaptable)					
Inverted output						
Rated power	4000W		6200W		11000W	
Output voltage	220/230/240VAC±5%					
Waveform	Pure sine wave					
Switching time (adjustable)	Computer equipment 10ms, household appliances 20ms					
Peak power	8000W		12400W		22000W	
Battery						
Battery type	Lithium ion batteries/lead-acid batteries/user-defined					
Rated battery voltage	48Vdc					
Battery voltage range	40~60Vdc					
PV input						
PV charging method	MPPT					
PV maximum input power	6500W		8500W		2x7500W	
Maximum PV Input Current	27A		27A		2x27A	
MPPT tracking range	60-500VDC		60-500VDC		90-500VDC	
Maximum PV charging current	120A		120A		150A	
Maximum AC charging current	100A		100A		150A	
Maximum total charging current	120A		120A		150A	
Basic parameters						
Communication interface	USB/RS485 (optional WiFi)/dry node control					
Parallel interface			Parallel function (optional)			
Product size (mm)	495*312*125		495*312*125		570*500*148	
Package size (mm)	565*385*195		565*385*195		708*570*241	
NW. (kg)	9.13		10.83		19.27	
GW. (kg)	10.35		12.26		22.2	

