

SDPO Off Grid Hybrid Inverter(EU Model)

1-11kW

- 
 Lithium communication
- 
 Photovoltaic+mains charging
- 
 Eight major protection functions
- 
 Pure sine wave output



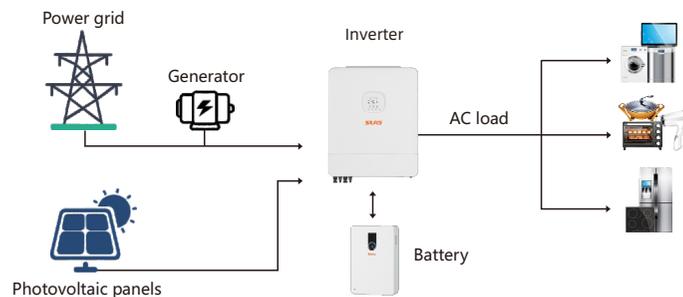
Product Introduction

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	24Vdc	48Vdc	
Battery voltage range	20~31Vdc	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

