

SDPO-U Off Grid Hybrid Inverter(US Model)

3.6kW-6.5kW

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



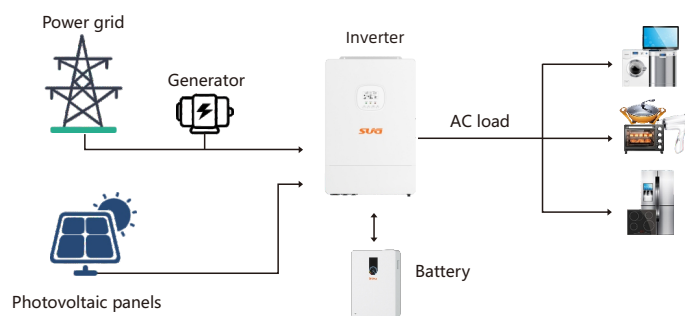
Product Introduction

The SDPO-U American standard 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, which is suitable for different application scenarios in the Americas, such as homes, RV, agriculture, and industry.

Product features

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

Product Connection Diagram



Product Parameters

Model	SDPO-U-3.6kW	SDPO-U-5kW	SDPO-U-6.5kW
AC/Generator input			
Rated input voltage	120VAC		
Voltage range	(90Vac~140Vac)±2%		
Frequency	50Hz±0.3Hz/60Hz±0.3HZ		
Inverted output			
Rated power	3600W	5000W	6500W
Output voltage	120Vac±5%		
Waveform	Pure sine wave		
Switching time (adjustable)	Computer equipment 10ms, household appliances 20ms		
Peak power	7200W	10000W	12000W
Battery			
Battery type	Lithium ion batteries/lead-acid batteries/user-defined		
Rated battery voltage	48Vdc		
Battery voltage range	40~60Vdc		
PV input			
PV charging meth	MPPT		
PV maximum input power	4000W	5500W	2x4500W
Maximum PV Input Current	22A	22A	22A
MPPT tracking range	80-300VDC	120-450VDC	80-300VDC
Maximum PV charging current	80A	100A	150A
Maximum AC charging current	40A	60A	120A
Maximum total charging current	80A	100A	150A
Basic parameters			
Communication interface	USB/RS485 (optional WiFi)/dry connector		
Parallel interface	/	Maximum of 6 parallel machines (optional)	
Product size (mm)	410*280*100	426*322*126	540*350*120
Product size (mm)	470*360*188	502*414*209	600*630*200
NW. (kg)	7.8	10.5	15
GW. (kg)	9.3	13.4	18