



— New Energy —

DHJ ENERGY TECHNOLOGY CO., LTD.

PV Off Grid Hybrid Inverter(EU Model)

1-11kW

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



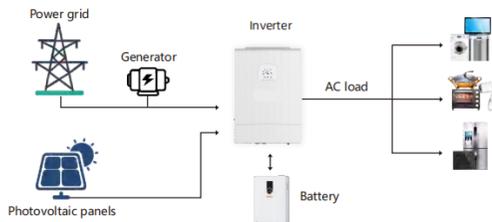
Product Introduction

The PV 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	PV-1kW	PV-1.5kW	PV-3kW	PV-P-5.5k
AC/Generator input				
Rated input voltage	220/230/240VAC			
Voltage range	90-280VAC ± 3V (household appliance mode) 170-280VAC ± 3V (UPS mode)			
	50/60Hz (adaptable)			
Inverted output				
Rated power	1000W	1500W	3000W	5500W
Output voltage	220/230/240VAC±5%			
Waveform	Pure sine wave			
Switching time (adjustable)	Computer equipment 10ms, household appliances 20ms			
Peak power	2000W	3000W	6000W	11000W
Battery				
Battery type	Lithium ion batteries/lead-acid batteries/user-defined			
Rated battery voltage	12Vdc	24Vdc	24Vdc	48Vdc
Battery voltage range	10~15.6V	20~31V	20~31V	40~60V
PV input				
PV charging method	MPPT			
PV maximum input power	2000W	2000W	4200W	5500W
MPPT tracking range	30-430VDC	30-430VDC	120-500VDC	120-500VDC
Maximum PV charging current	80A	80A	100A	100A
Maximum AC charging current	60A	60A	60A	60A
Maximum total charging current	80A	80A	100A	100A
Basic parameters				
Communication interface	USB/RS485 (optional WIFI)/dry connector			
Parallel interface	/	/	/	Parallel function (optional)
Product size (mm)	290*240*91	290*240*91	495*312*125	495*312*125
Package size (mm)	340*295*145	340*295*145	565*385*195	565*385*195
NW. (kg)	3	3.5	9.13	10.83
GW. (kg)	3.5	4	10.35	12.26