

HIGH FREQUENCY ON/OFF GRID SOLAR INVERTER PH1800 LV Series

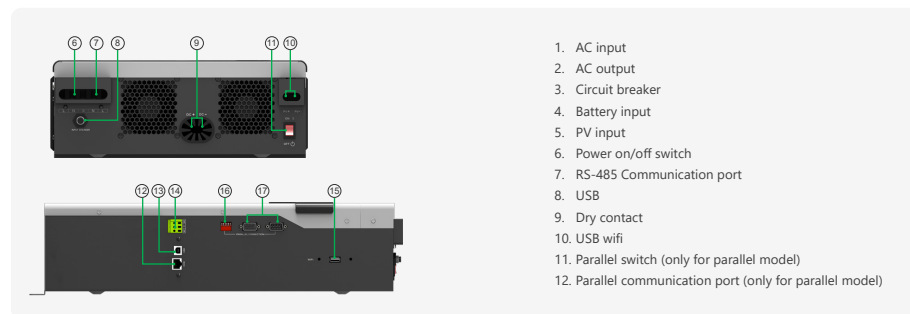


3~6KW | 120V | Wifi

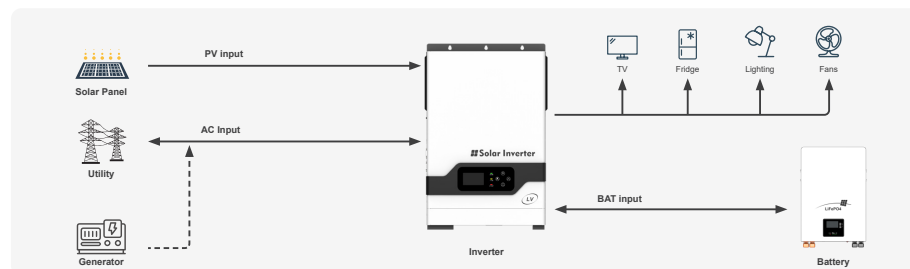
PH1800 LV Series is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

- Pure sine wave solar inverter
- Output power factor 1
- Built-in 80A MPPT solar charger
- 2 units can be wired in parallel to create a split-phase system with 120V and 240V capabilities
- Support parallel operation up to 3 units
- WIFI remote monitoring (optional)
- CAN/RS485 communication for BMS
- Compatible to generator

Back panel description



Solar system connection



MODEL	PH18-3024 LV	PH18-3048 LV	PH18-6048 LV
Nominal Battery System Voltage	24VDC	48VDC	
INVERTER OUTPUT			
Rated Power	3000W	3000W	6000W
Surge Power	6000W	6000W	12000W
Waveform	Pure sine wave		
AC Voltage Regulation (Batt.Mode)	120VAC ±5%	120VAC ±5%	240VAC ±5% (L-L)
Inverter Efficiency(Peak)	90%		
Transfer Time	10ms (UPS / UL) 20ms (APL)		
AC INPUT			
Voltage	120VAC	120VAC	240VAC
Selectable Voltage Range	107~132VAC(UL)		214~264VAC(UL)
Frequency Range	50Hz / 60Hz(Auto sensing)		
BATTERY			
Normal voltage	24VDC	48VDC	48VDC
Floating Charge Voltage	27.4VDC	54.8VDC	54.8VDC
Overcharge Protection	30VDC	60VDC	60VDC
SOLAR CHARGER & AC CHARGER			
Maximum PV Array Open Circuit Voltage	450VDC	250VDC	250VDC
Maximum Solar Charge Current	100A	80A	80A/ 80A
PV Array MPPT Voltage Range	90-430VDC	60-200VDC	60-200VDC
PV Input Power	4000W	4000W	4000W/ 4000W
Maximum Efficiency	98%		
Maximum AC Charge Current	80A	60A	60A
Maximum Charge Current	100A	140A	160A
MECHANICAL SPECIFICATIONS			
Machine Dimension (W*H*D)	329*485*134mm	329*485*134mm	315*500*235
Package Dimension (W*H*D)	425*575*229mm	425*575*229mm	/
G.W	12kg	12kg	20kg
N.W	13.5kg	13.5kg	22kg
OTHER			
Humidity	5% to 95% Relative humidity (Non-condensing)		
Operating Temperature	-10°C~50°C		
Storage Temperature	-15°C ~60°C		
CERTIFICATION & STANDARDS			

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