

MPS-HP SERIES

Off Grid Solar Inverter

WIFI(optional)

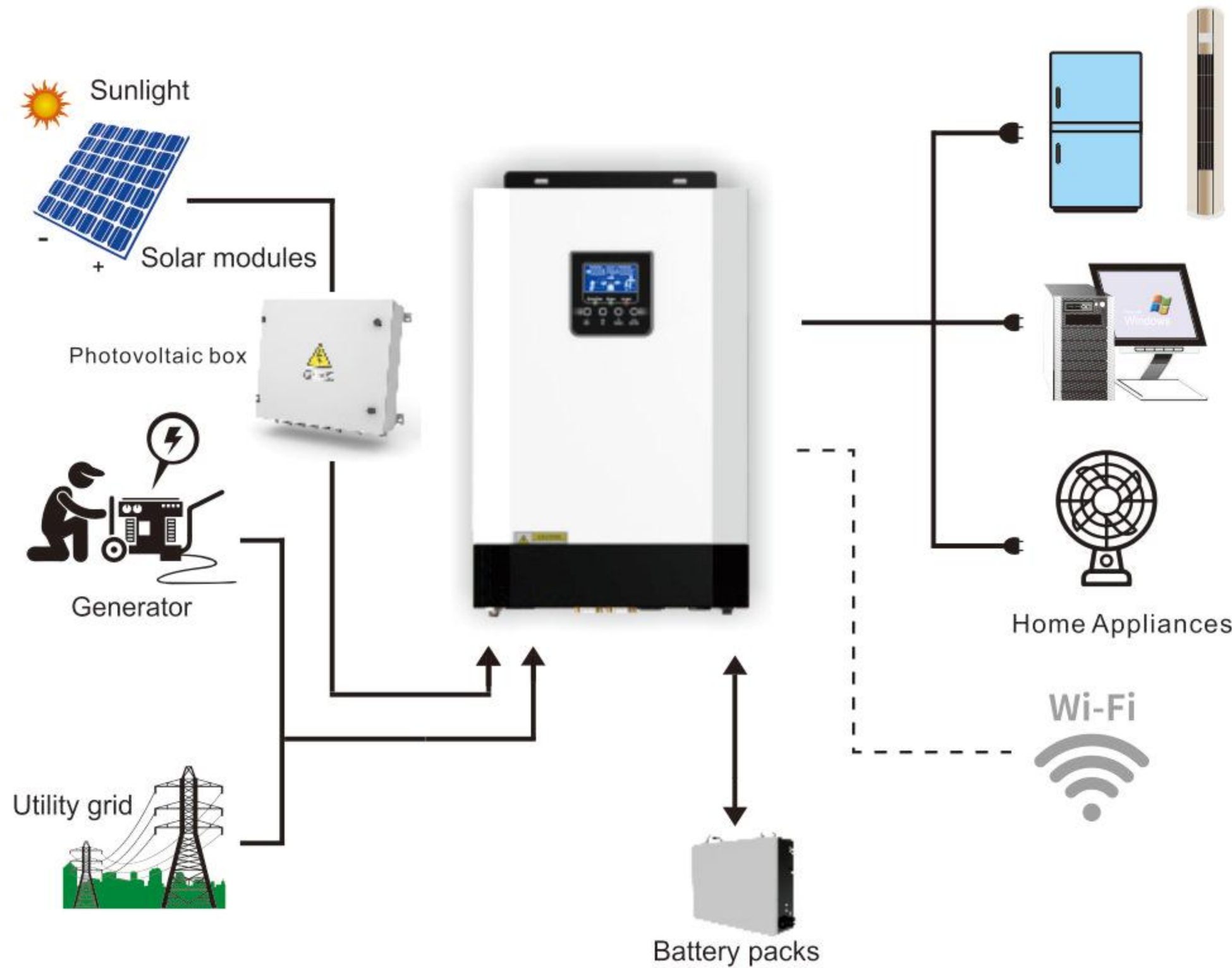
LCD remote control(optional)



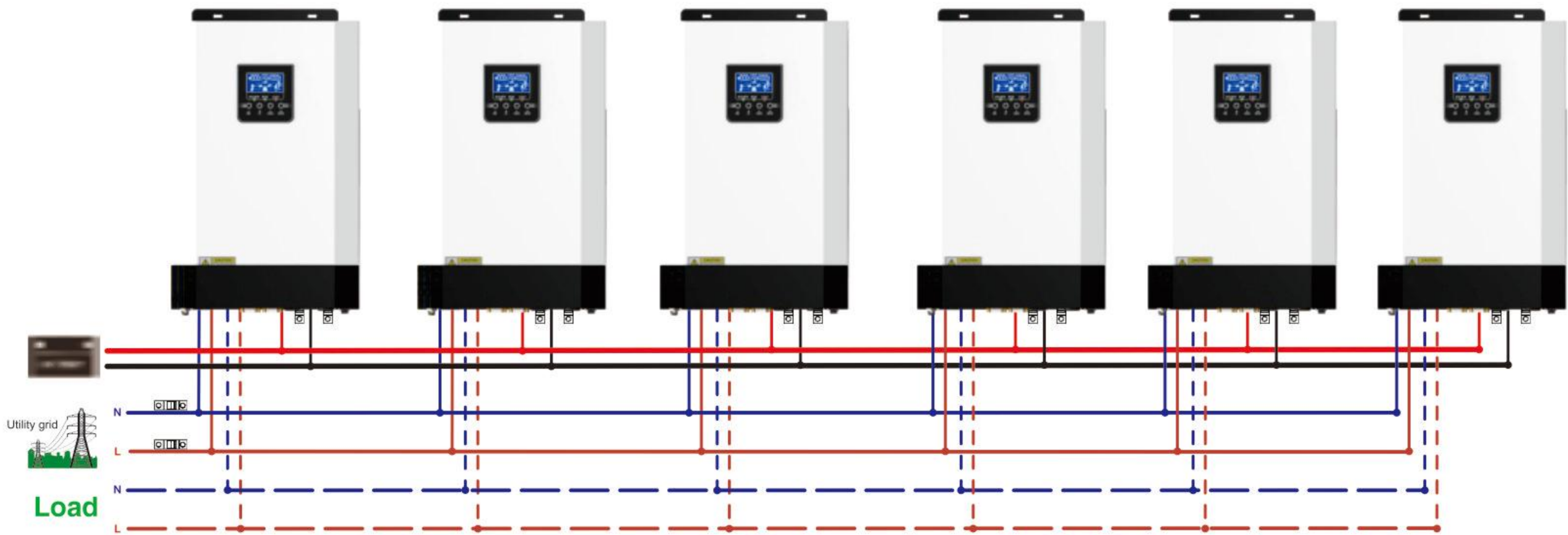
» Features

- Pure sine wave output
- Output power factor 1.0
- Programmable supply priority for PV , battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range (120Vdc -500Vdc), 110A MPPT SCC
- Working without batteries in sunny day
- WiFi Monitoring Function (optional)
- Anti-dusk kit for harsh environment(optional)
- LCD remote control with 5/10/20 meters wire (optional)
- PV and electricity complementary
- Use with lithium batteries
- Parallel operation up to 6 units

» Solar System Connection



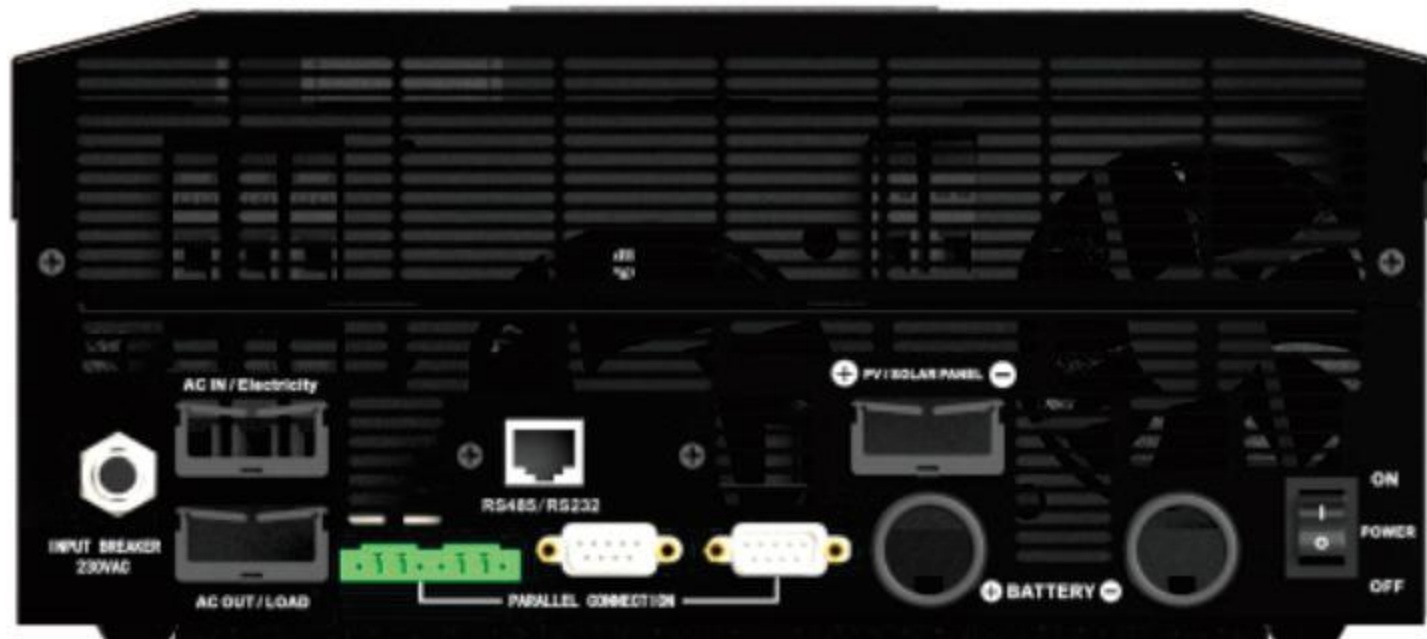
Parallel operation up to 6 units



» Product Data Sheet

MODEL	MPS-3500HP		MPS-5500HP
Rated Power	3500VA/3500W		5500VA/5500W
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)		
Frequency Range	50Hz/60Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt.Mode)	230VAC±5%		
Surge power	7000VA	11000VA	
Efficiency(Peak) PV to INV	97%		
Efficiency(Peak) BAT to INV	94%		
Transfer Time	10ms (for personal computers) 20ms (for home appliances)		
Wave form	Pure Sine Wave		
BATTERY & AC CHARGER			
Battery Voltage	24VDC	48VDC	
Floating Charge Voltage	27VDC	54VDC	
Overcharge Protection	33VDC	63VDC	
Maximum charge current	80A	80A	
SOLAR CHARGER			
MAX.PV Array Power	5000W	6000W	
MPPT Range@ Operating Voltage	120-500VDC		
Maximum PV Array Open Circuit Voltage	500VDC		
Maximum Charging Current	110A		
Maximum Efficiency	98%		
PHYSICAL			
Dimension.D*W*H(mm)	472*297*129		
Net Weight (kgs)	9.5kg	10.5kg	
Communication Interface	RS485/RS232(Standard) LCD remote/WIFI(Optional)		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C to 55°C		
Storage Temperature	-15°C to 60°C		

» Overview



PC



TV



Electric fan



FM Radio



Solar Power