

MPS-H SERIES

Off Grid Solar Inverter

WIFI(optional)



LCD remote control(optional)

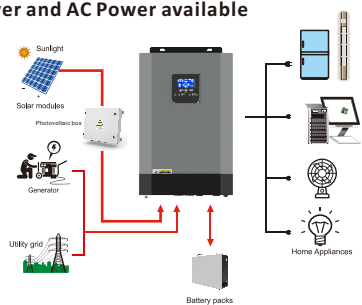


»» Features

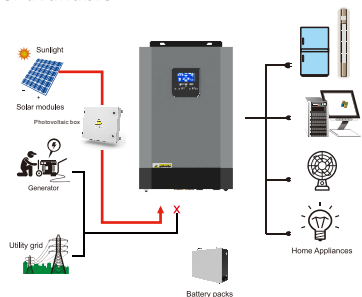
- Pure sine wave output
- Output power factor 1.0
- Programmable supply priority for PV , battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range (120Vdc -500Vdc),110A MPPT SCC
- Use with lithium batteries
- Working without batteries in sunny day
- WiFi Monitoring Function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

»» Solar System Connection

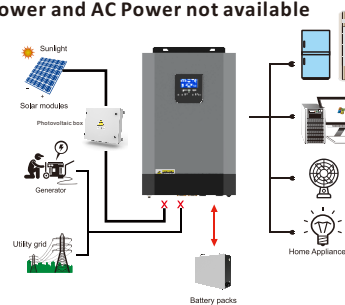
■ Operation with battery connected Solar Power and AC Power available



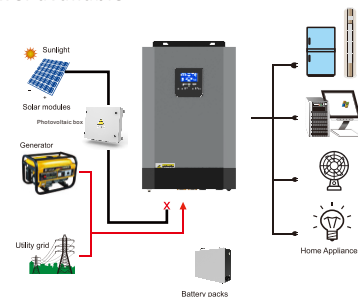
■ Operation without battery connected Solar Power available



Solar Power and AC Power not available



AC Power available



»» Product Data Sheet

MODEL	MPS-3500H		MPS-5500H	
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			



PC



TV



Electric fan



FM Radio



Solar Power