

▼ MPS-H Series

Off Grid Solar Inverter



»» 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 10 meters wire(optional)
- PV and electricity complementary
- Use with lithium batteries

»» System Diagram

■ 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)	13kg	14kg
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	

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