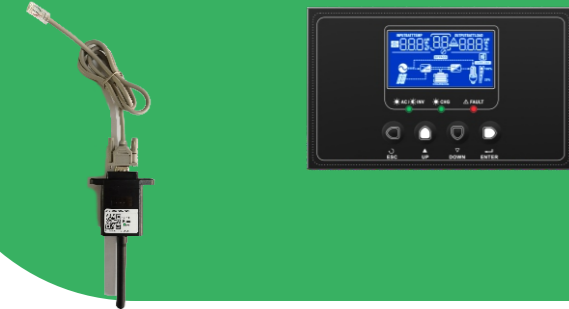


MPS-H SERIES

Off Grid Solar Inverter

WiFi(optional)

LCD remote control(optional)

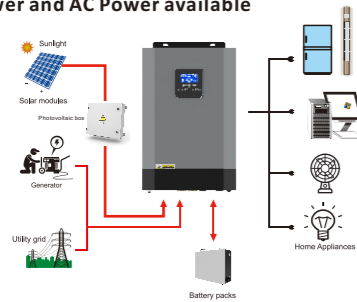


Features

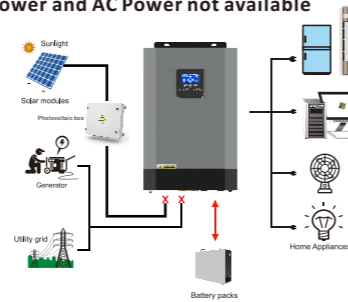
- Pure sine wave output
- Output power factor 1.0
- Programmable supply priority for PV, battery or Grid
- User-adjustable charge current and voltage
- Wide PV input range (120Vdc -500Vdc),110A MPPT SCC
- Use with lithium batteries
- Working without batteries in sunny day
- WiFi Monitoring Function (optional)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

Solar System Connection

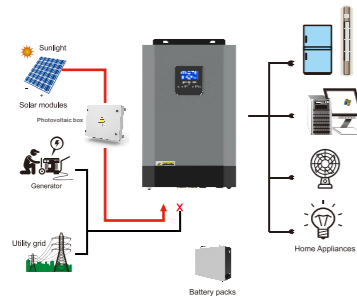
■ Operation with battery connected
Solar Power and AC Power available



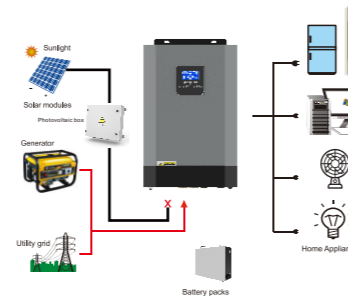
Solar Power and AC Power not available



■ Operation without battery connected
Solar Power 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 | |

