

ALL IN ONE SOLAR INVERTER MPS-V



Introduction:

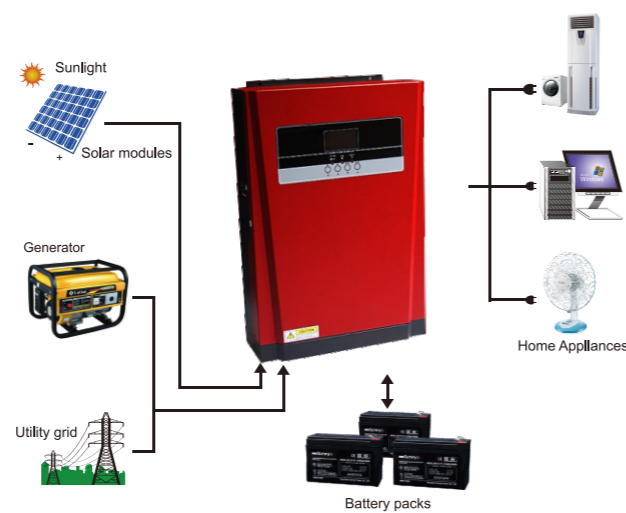
The MPS-V series all in one solar system is the perfect go-to solution for off-grid, backup power for homes, small business, and it also delivers a value added, easy to install system that provides efficient power globally for every need.

Features:

- High efficiency pure sine wave inverter(PF=1);
- Wide PV input range(120Vdc-500Vdc)80A MPPT SCC; intelligent 3 stage 60A/80A AC charger.
- Surges to 2X continuous power for 5 seconds for motor loads.
- Intelligent functionality enables utility and solar input prioritization.
- Wide utility input range(90Vac-280Vac)for unreliable grid even
- In the most challenging environments.
- Field serviceable with replacement boards and spare parts.
- Monitor, troubleshoot, or communication with USB/RS232.
- System configures quickly into compact, wall-mounted system.
- Working without batteries in sun day.
- WIFI/GPRS Monitoring function (optional)



Solar System Connection



MPS All in one solar inverter

| Model | MPS-V-3200-24 | MPS-V-5000-48 |
|---------------------------------------|--|---------------|
| RATED POWER | 3200VA/3200W | 5000VA/5000W |
| INPUT | | |
| Voltage | 230 VAC | |
| Selectable Voltage Range | 170-280 VAC (For Personal Computers) | |
| | 90-280 VAC (For Home Appliances) | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | |
| OUTPUT | | |
| AC Voltage Regulation (Batt. Mode) | 230VAC ± 5% | |
| Surge Power | 6000VA | 10000VA |
| Efficiency (Peak) PV to INV. | 97% | |
| Efficiency (Peak) Battery to INV. | 94% | |
| Transfer Time | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances) | |
| Waveform | Pure sine wave | |
| BATTERY & AC CHARGER | | |
| Battery Voltage | 24 VDC | 48 VDC |
| Floating Charge Voltage | 27 VDC | 54 VDC |
| Overcharge Protection | 33 VDC | 63 VDC |
| Maximum Charge Current | 80 A | 60 A |
| SOLAR CHARGER | | |
| Maximum PV Array Power | 4000 W | |
| MPPT Range @ Operating Voltage | 120 ~ 450 VDC | |
| Maximum PV Array Open Circuit Voltage | 500 VDC | |
| Maximum Charging Current | 80A | |
| Maximum Efficiency | 98% | |
| PHYSICAL | | |
| Dimension, D x W x H (mm) | 100 x 300 x 440 | |
| Net Weight (kgs) | 9 | 10 |
| Communication interface | USB/RS232 | |
| Monitoring | WIFI/GRPS (optional) | |
| OPERATING ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | |
| Operating Temperature | 0°C - 55°C | |
| Storage Temperature | -15°C - 60°C | |