

▶ MPS-V Series

Hybrid Solar Inverter



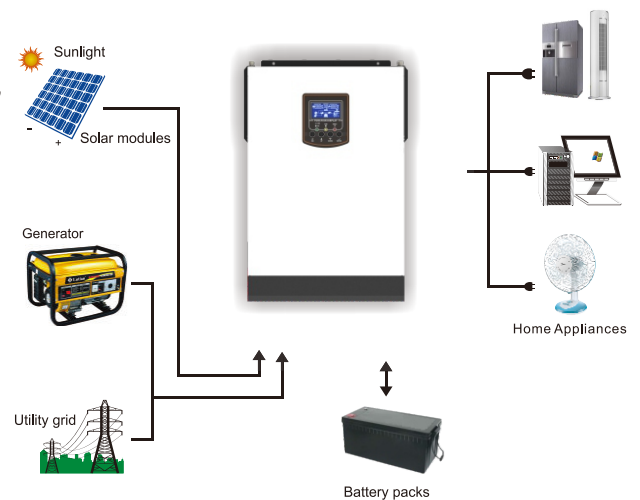
»» Features

- 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 enable 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-mount-ed system
- Working without batteries in sun day
- WIFI/GPRS Monitoring function (optional)

»» Overview



»» Solar System Connection



»» Product Data Sheet

| MODEL | MPS-V-3200-24 | MPS-V-5000-48 |
|---------------------------------------|--|---------------|
| Rated Power | 3200VA/3200W | 5000VA/5000W |
| 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 | 6400VA | 10000VA |
| 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 | 60A |
| SOLAR CHARGER | | |
| MAX.PV Array Power | 4000W(5000W Optional for 5KW model) | |
| MPPT Range@ Operating Voltage | 120-450VDC | |
| Maximum PV Array Open Circuit Voltage | 500VDC | |
| Maximum Charging Current | 80A | |
| Maximum Efficiency | 98% | |
| PHYSICAL | | |
| Dimension.D*W*H(mm) | 440*300*100 | |
| Net Weight (kgs) | 11kg | 12kg |
| Communication Interface | WIFI/GPRS(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