

PIP-GE *PF1.0* SERIES

Off-Grid Solar Inverter



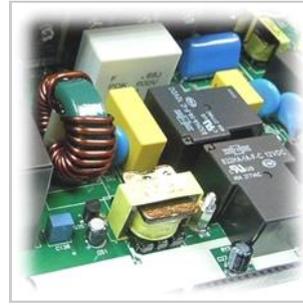
Anti-Dust protection

Batteryless support

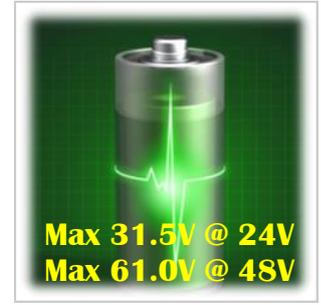
PV Max 500V!

MAIN FEATURES

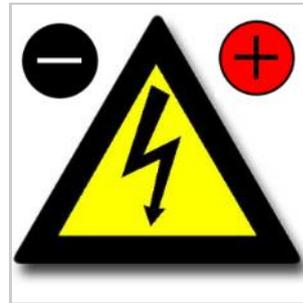
- **NEW! Batteryless operation support!**
- **NEW! Energy-efficient power factor 1.0 design**
- **NEW! Genset starter dry contact**
- **NEW! Anti-dust protection filter**
- Special high-voltage MPPT model
- Max 500VDC open circuit input
- Max 80A solar charging
- Max 4KW PV array
- Increased charging voltage up to 31.5V @ 24V, or 61V @ 48V
- Fuse implementation against battery reverse polarity
- High frequency pure sine wave design
- Suitable for Off-Grid or with Grid
- Programmable parameters
- Max up to 60A utility charging
- Adjustable charging voltage
- Lightweight, easy to install
- 2X surge capacity max 5s
- FREE monitoring software
- LCD Display + LED indicators



HIGH DC VOLT 33V/63V



EQUALIZATION CHARGING



FUSE PROTECTION (DC REVERSE POLARITY)



MPPT 80A

ULTRA HIGH 500V PV

| PIP-GE SERIES | 3024GE | 5048GE |
|--|---|--------|
| ELECTRICAL SPECIFICATION | | |
| Continuous Output | 3000W | 5000W |
| Surge Rating | | 2X |
| Input Power Factor | | 1.0 |
| Input Voltage Range | 90~280VAC (Appliance mode), 170~280VAC (UPS mode) | |
| Input/Output Frequency | 50Hz / 60Hz | |
| Output Voltage | 230VAC±5% | |
| Output Waveform | Pure Sine Wave | |
| Output Short Circuit | Circuit Breaker | |
| Peak Efficiency | 93% | |
| Nominal DC Voltage | 24V | 48V |
| Max DC Input | 33V | 63V |
| Transfer Time | <10ms (UPS mode), <20ms (Appliance mode) | |
| Charging Mode | 3-stage | |
| Max AC Charging Current | 60A | |
| Equalization Charge | Yes (max 31.5V@24V, 61V@48v) | |
| SOLAR CHARGER SPECIFICATIONS | | |
| Charging Algorithm | MPPT | |
| Max Charging Current (PV power) | 80A (4KW) | |
| Max PV Input Voc | 500VDC | |
| MPPT Range | 120 - 450VDC | |
| ENVIRONMENTAL / MECHANICAL SPECIFICATIONS | | |
| Certification | CE | |
| Operating/Storage Temp. | 0°C ~ 55°C / -15°C ~ 60°C | |
| Operating Humidity | 20~90%RH Non-Condensing | |
| Dimension | 440*300*100mm | |
| Net Weight | 9KG | 10KG |

MPP Solar Inc. reserves the right to change product specification without notice. MPP Solar is a registered trademark.

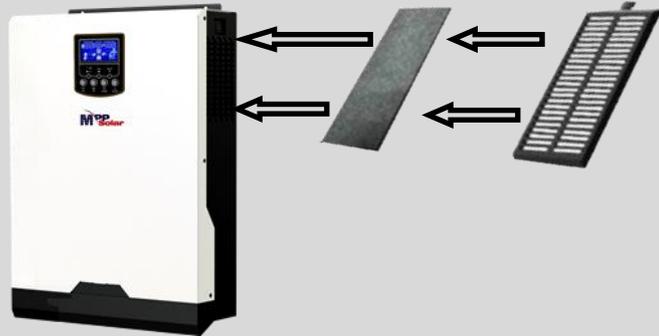


Special Features



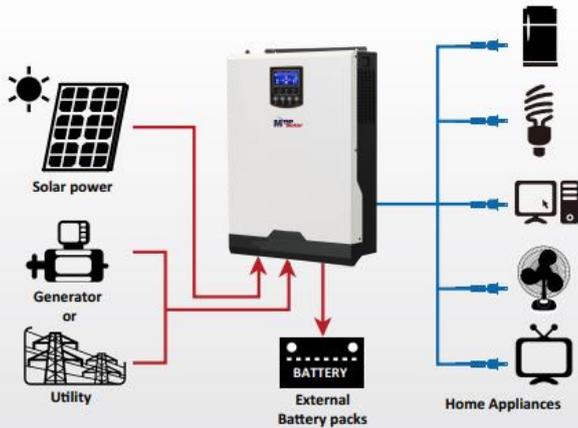
Anti-Dust Protection Filter

**This special protection filter is a new anti-dust feature that is standard on the GE model and is designed to keep dust away from the unit which increases reliability when installed in harsh environment. Please note this filter should be cleaned at least ONCE a month.

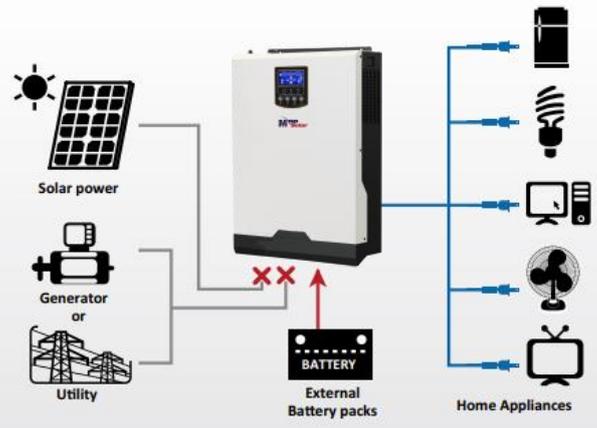


Operation with Battery connected

Solar Power and AC Power available

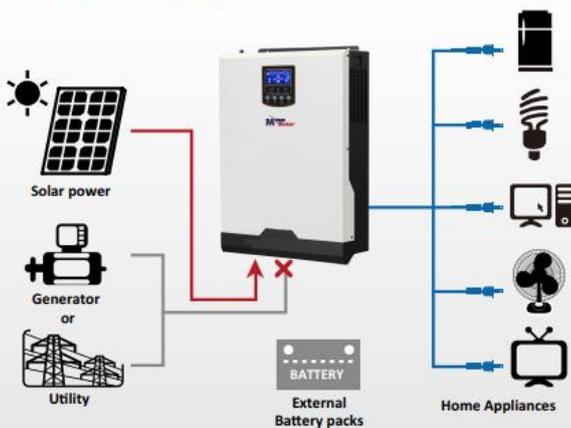


Solar Power and AC Power not available



Operation without Battery connected

Solar Power available



AC Power available

