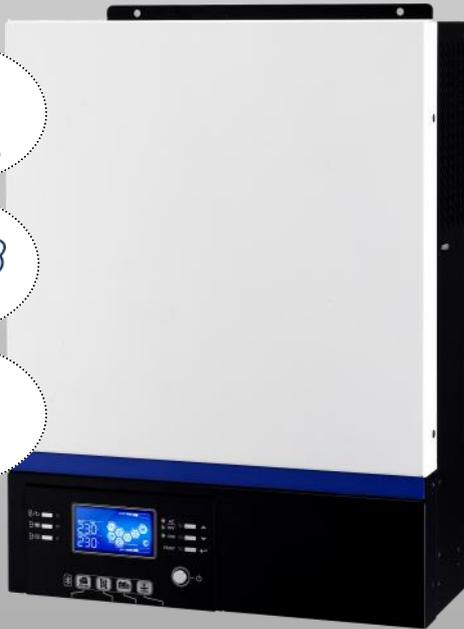


PIP-GK *PF1.0* SERIES

Off-Grid Solar Inverter



MAIN FEATURES

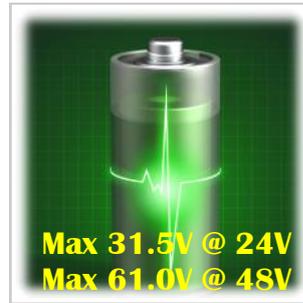
- **NEW! Batteryless Operation Support**
- **NEW! Improved Monitoring Features (Removable USB / RS232, RS485, Bluetooth)**
- **NEW! Removable LCD Control Display (20m)**
- **NEW! Reserved BMS port (OEM required)**
- Max 3KW, 24V/ 5KW, 48V model
- High frequency pure sine wave design
- High PV Input up to 500V open circuit
- Max 80A MPPT solar charging (up to 4KW PV)
- Equalization Charging
- Max charging voltage 31.5V @ 24V, or 61V @ 48V
- Suitable for Off-Grid or with Grid backup
- Generator starter dry contact port
- Programmable parameters on LCD
- Max up to 60A utility charging
- Lightweight, easy to install
- FREE monitoring software
- LCD Display + LED indicators



REMOVABLE DISPLAY



MOBILE MONITORING VIA BLUETOOTH



EQUALIZATION CHARGING



BATTERYLESS SUPPORT

PIP-GK SERIES

3024GK

5048GK

ELECTRICAL SPECIFICATION

Continuous Output	3KW	5KW
Surge Rating	6KVA	10KVA
Input Power Factor	1	
Input Voltage Range	90~280VAC (Appliance), 170~280VAC (UPS)	
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	31.5V	61V

SOLAR CHARGER SPECIFICATIONS

Charging Algorithm	MPPT
Max Charging Current (PV power)	80A (~4KW PV)
Max PV Input Voc	500VDC
MPPT Range	120 - 450VDC

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Certification	CE
Communication Interface	Removable USB, RS232/RS485, Bluetooth, Dry Contact
Operating/Storage Temp.	0°C ~ 50°C / -15°C~ 60°C
Operating Humidity	20~90%RH Non-Condensing
Dimension	400*300*115mm
Net Weight	11KG 13KG

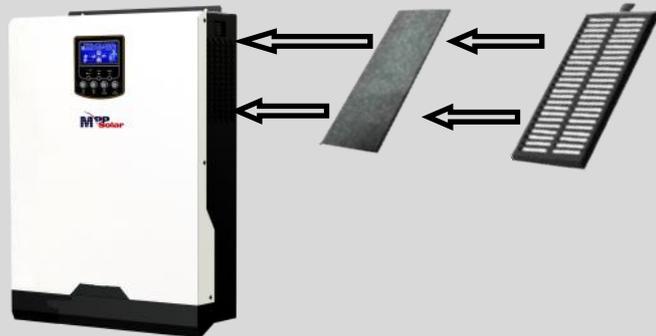
MPP Solar Inc. reserves the right to change product specification without notice. MPP Solar is a registered trademark.





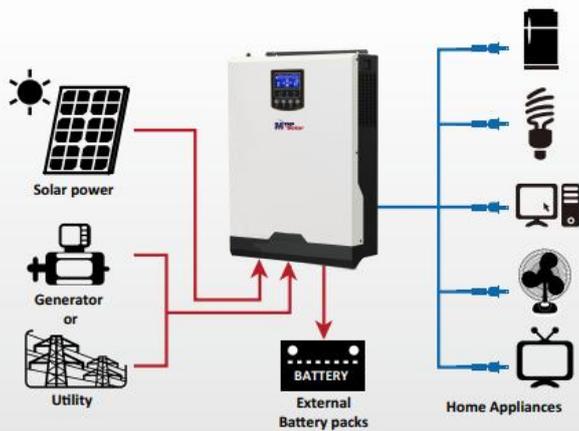
Anti-Dust Protection Filter

**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.

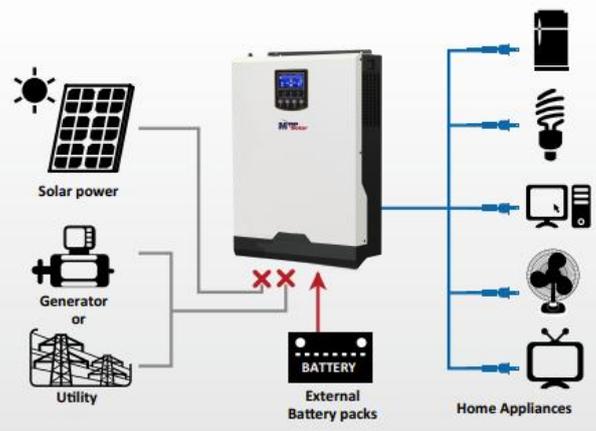


Operation with Battery connected

Solar Power and AC Power available

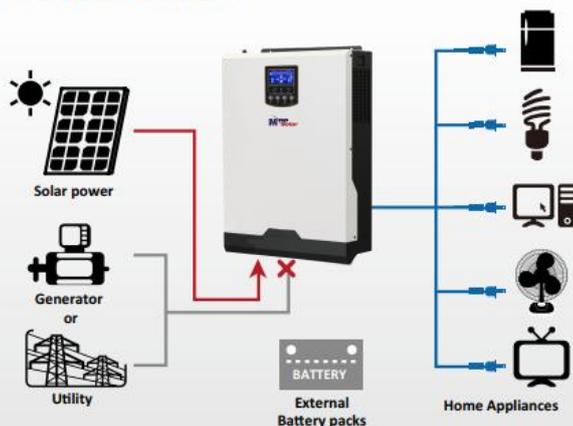


Solar Power and AC Power not available



Operation without Battery connected

Solar Power available



AC Power available

