

PIP-GK *PF1.0* SERIES

Off-Grid Solar Inverter



MAIN FEATURES

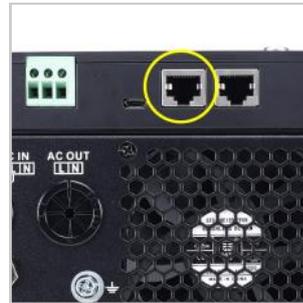
- **NEW! Batteryless Operation Support**
- **NEW! Improved Monitoring Features (Removable USB / RS232, RS485, Bluetooth)**
- **NEW! Removable LCD Control Display (20m)**
- **NEW! Reserved BMS port (battery)**
- 3KW / 5KW continuous output model
- Special high-voltage MPPT built-in solar charger
- High frequency pure sine wave design
- Max 500VDC open circuit input
- Max 80A solar charging (up to 4KW PV)
- 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
- 2X surge capacity
- FREE monitoring software
- LCD Display + LED indicators



REMOVABLE DISPLAY



MOBILE MONITORING VIA BLUETOOTH



BMS COMMUNICATION PORT (BATTERY)



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.

