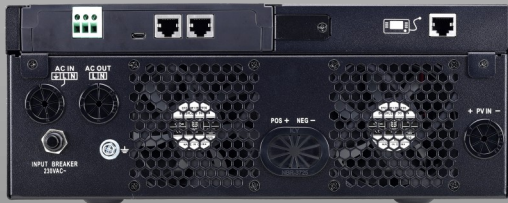


# PIP-GK \*PF1.0\* SERIES

## Off-Grid Solar Inverter



### MAIN FEATURES

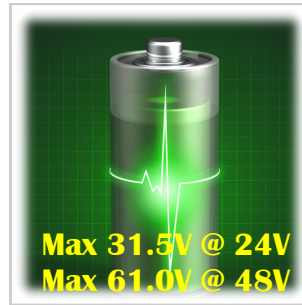
- **NEW! Batteryless Operation Support**
- **NEW! Improved Monitoring Features (Removable USB / RS232, RS485, Bluetooth)**
- **NEW! Removable LCD Control Display (20m)**
- **NEW! Reserved BMS port (OEM required)**
- Max 3KW, 24V/ 5KW, 48V model
- High frequency pure sine wave design
- High PV Input up to 500V open circuit
- Max 80A MPPT solar charging (up to **5KW PV max**)
- 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



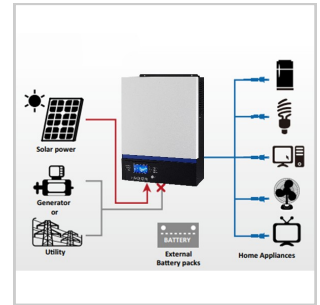
REMOVABLE DISPLAY



MOBILE MONITORING VIA BLUETOOTH



EQUALIZATION CHARGING



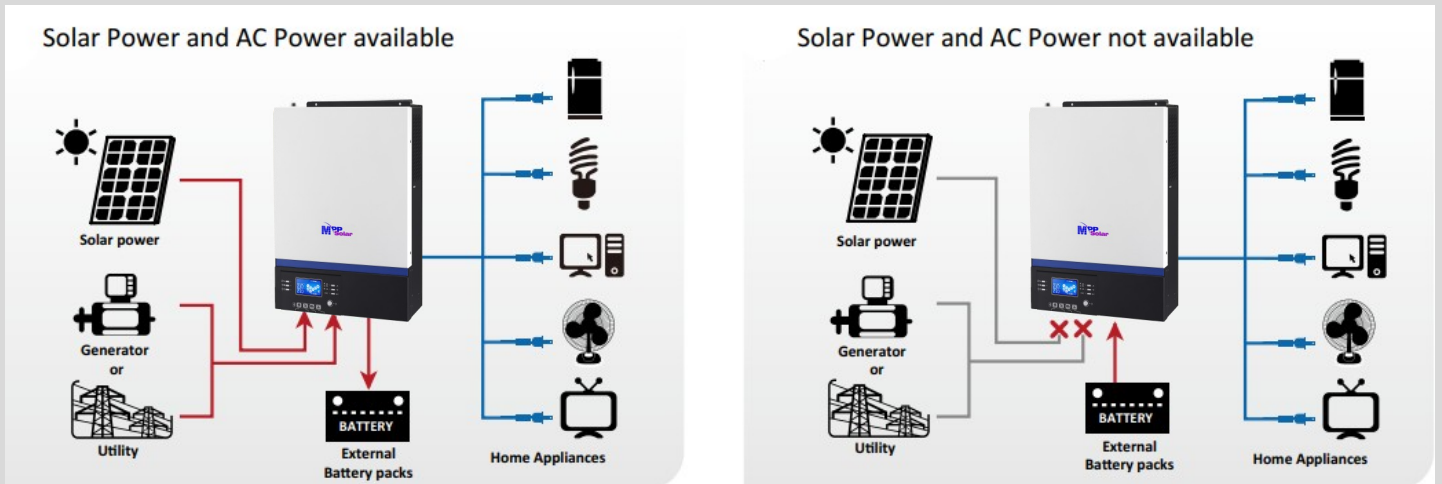
BATTERYLESS SUPPORT

PIP-GK SERIES	3024GK	5048GK
<b>ELECTRICAL SPECIFICATION</b>		
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
<b>SOLAR CHARGER SPECIFICATIONS</b>		
Charging Algorithm	MPPT	
Max PV Array	4000W	5000W
Max Charging Current	80A	
Max PV Input Voc	500VDC	
MPPT Range	120 - 450VDC	
<b>ENVIRONMENTAL / MECHANICAL SPECIFICATIONS</b>		
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.



## Operation with Battery connected



## Operation without Battery connected

