

PIP-MK *PF1.0* SERIES

Off-Grid Solar Inverter



MAIN FEATURES

- **NEW! Zero Transfer Time**
- **NEW! Improved Monitoring Features (Removable USB / RS232, RS485, Bluetooth)**
- **NEW! Removable LCD Control Display (20m)**
- **NEW! Reserved BMS port (OEM required)**
- **Parallel Support up to 9 units!**
- Max 3KW / 5KW continuous output
- High frequency pure sine wave design
- Max up to 80A MPPT solar charging (up to 4KW PV)
- Max PV input 145V
- Equalization Charging up to 64V
- Max DC input 66V
- Suitable for Off-Grid or with Grid backup
- Generator starter dry contact port
- Programmable parameters on LCD
- Max up to 60A utility charging
- Easy to install
- FREE monitoring software

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REMOVABLE DISPLAY



MOBILE MONITORING VIA BLUETOOTH



ZERO TRANSFER TIME



PARALLEL SUPPORT

PIP-MK SERIES	3024MK	5048MK
ELECTRICAL SPECIFICATION		
Continuous Output	3KVA/3KW	5KVA/5KW
Parallel Capability	Yes, up to 9 units	
Input Power Factor	1	
Input Voltage Range	110-280VAC	
Input/Output Frequency	50Hz / 60Hz	
Output Voltage	230VAC±5%	
Output Waveform	Pure Sine Wave	
Output Short Circuit	Circuit Breaker	
Peak Efficiency	>94% (line mode) / >90% (inverter mode)	
Nominal DC Voltage	24V	48V
Max DC Input	34V	66V
Transfer Time	0 ms	
Equalization Charge	32V	64V
SOLAR + AC CHARGER SPECIFICATIONS		
Charging Algorithm	MPPT	
Max Charging Current (PV power)	60A (1.5KW)	80A (4KW)
Max PV Input Voc	145VDC	
MPPT Range	30-115VDC	60-115VDC
Max AC Charging Current	60A	60A
Max System Charging	120A	140A
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	10~90%RH Non-Condensing	
Dimension	525*300*140mm	
Net Weight	13Kg	14Kg

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