

PIP-HSE/MSE *PF1.0* SERIES

Off-Grid Solar Inverter

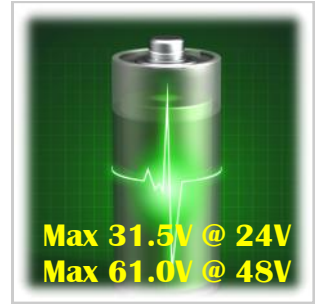


MAIN FEATURES

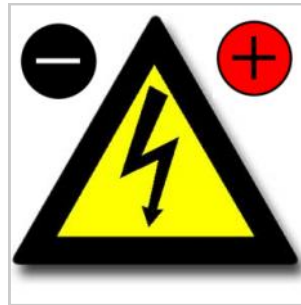
- **NEW!** energy-efficient power factor 1.0 design
- Special designed for price sensitive consumers
- Lighter in weight, 1-5KW available
- Equalization charging available
- Increased DC limit up to 33V/63V
- Increased bulk/float voltage up to 31.5V/61V
- Fuse protection against reverse battery
- High frequency pure sine wave design
- PWM & MPPT models available
- Suitable for Off-Grid or with Grid
- Programmable parameters
- Max up to 60A utility charging
- Adjustable charging voltage
- Wide AC input range
- Lightweight, easy to install
- 2X surge capacity max 5s
- FREE monitoring software
- LCD Display + LED indicators
- USB communication interface



HIGH DC VOLT 33V/63V



EQUALIZATION CHARGING



FUSE PROTECTION (DC REVERSE POLARITY)



COMPACT DESIGN

PIP-HSE/MSE 1012HSE 2024HSE 3024HSE 3024MSE 3024MSXE 5048HSE 5048MSE

ELECTRICAL SPECIFICATION

Continuous Output	1000W	2000W	3000W	3000W	3000W	5000W	5000W
Surge Rating				2X			
Input Power Factor				1			
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	12V			24V			48V
Max DC Input	16V	31V		33V			63V
Transfer Time				<10ms (UPS mode), <20ms (Appliance mode)			
Charging Mode				3-stage			
Max AC Charging Current	20A	20A		25A		60A	60A
Max Equalization Charge	15V	30V		31.5V			61V
No Load consumption				<25W		<55W	

SOLAR CHARGER SPECIFICATIONS

Charging Algorithm	PWM	PWM	PWM	MPPT	MPPT	PWM	MPPT
Max Charging Current	50A	50A	50A	40A	60A	50A	60A
Max PV Input Voc	55V	80V	80V	105V	145V	105V	145V
MPPT Range	N/A	N/A	N/A	30 ~ 80V	30 ~ 115V	N/A	60 ~ 115V

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Certification	CE						
Operating/Storage Temp.	0°C ~ 55°C / -15°C ~ 60°C						
Operating Humidity	20~90%RH Non-Condensing						
Dimension	320*225*88mm		334*285*100mm		400*300*100mm		
Net Weight	5.0Kg	5.8Kg		6.5Kg	9.5Kg	9.0Kg	10Kg

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