

# PIP-HSE/MSE SERIES

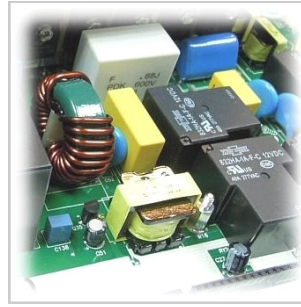
## Off-Grid Solar Inverter



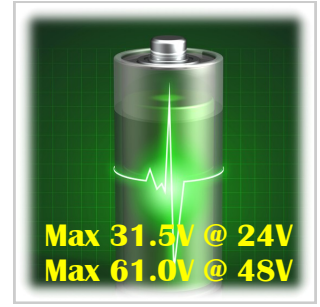
### MAIN FEATURES

- **NEW! 1.6KW—4KW available**
- **Special revised for OEM volume markets**
- **Lighter in weight, more integrated design**
- **Equalization charging available**
- **Increased DC limit up to 33V/63V**
- **Increased bulk/float voltage up to 31.5V/61V**
- **Fuse implementation against battery reverse polarity**
- High frequency pure sine wave design
- PMW & 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

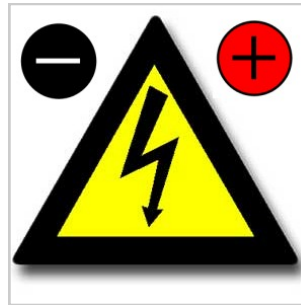
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HIGH DC VOLT 33V/63V



EQUALIZATION CHARGING



FUSE PROTECTION (DC REVERSE POLARITY)



COMPACT DESIGN



PIP-HSE/MSE **NEW** 1624HSE 2424HSE 2424MSE 2424MSXE 4048HSE 4048MSE

### ELECTRICAL SPECIFICATION

Continuous Output	1600W	2400W	2400W	2400W	4000W	4000W
Surge Rating	2X					
Input Power Factor	0.8					
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				24V	48V	
Max DC Input				32V	63V	
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)					
Charging Mode	3-stage					
Max AC Charging Current	20A	25A	60A	60A		
Equalization Charge	Yes (max 31.5V@24V, 61V@48V)					
No Load consumption	<25W				<55W	

### SOLAR CHARGER SPECIFICATIONS

Charging Algorithm	PWM	PWM	MPPT	MPPT	PWM	MPPT
Max Charging Current	50A	50A	40A	60A	50A	60A
Max PV Input Voc	75V	75V	100V	145V	105V	145V
MPPT Range	--	--	30 ~ 80V	30 ~ 115V	--	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	330*285*90mm	400*300*100mm			
Net Weight	5.8Kg	6.5Kg	11Kg	11Kg	13Kg	

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**MPP Solar**  
Buying Solar should be this easy