

PURE SINE WAVE INVERTER-CHARGER (PIP-MS/MSX/MSP SERIES)

MAXIMUM Power Point Tracking

MPPT 25A/60A!

LCD DISPLAY

HIGH FREQUENCY

PURE SINE WAVE

AC CHARGER

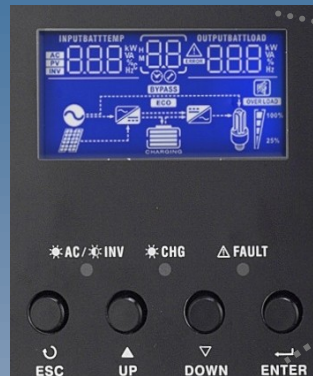
MONITORING

STACKABLE*

LIFEPO4**

*Only on 4048MSP

**Only on 4048MS/MSP



KEY FEATURES

- Transformerless and programmable design
- Multi-functional inverter-charger with selectable Utility vs. Solar priority modes via LCD
- Built-in MPPT solar charger, up to 60Amp!
- Wide AC input range
- Inverter+ AC Charger + Solar Charger 3-in-1 design
- Lightweight, easy to install
- Pure sine wave output
- 2X surge capacity up to 5 seconds
- Monitoring RJ45-RS232 capability
- Adjustable charging current
- LCD monitor display system info + LED indicators
- FREE monitoring software included
- Compatible with generators
- Overload/Overtemp/short circuit protections
- Cold start capability (requires DC)
- Supports LiFePo4 battery (available only on 4048MS).
- 2424MS now is available with larger 60A MPPT to support larger PV array (2424MSX), please contact us for more info.



MONITORING SOFTWARE — WATCHPOWER

Parallel operation available now only on 4048MSP, special order required. Please contact us for more info.

*Product specifications are subject to change without prior notice. MPP Solar is a registered trademark of MPP Solar Inc.



PIP-MS/MSX/MSP SERIES

824

1624

2424

2424MSX

3248

4048

ELECTRICAL SPECIFICATIONS						
Continuous/Surge Output	800/1600W	1.6/3.2KW	2.4/4.8KW	2.4/4.8KW	3.2/6.4KW	4.0/8.0KW
Surge Rating	5 seconds max, 2X					
Input Power Factor	0.8					
Input Voltage Range	90~280VAC (Appliance mode), 170~280VAC (UPS mode)					
Input/Output Frequency	50Hz					
Output Voltage	230VAC±5%					
Output Waveform	Pure Sine Wave					
Output Regulation	< 3% RMS for battery voltage range					
Output Short Circuit	Circuit Breaker					
Peak Efficiency	91%	93%				
Nominal DC Voltage	24V (MAX 30V)				48V (MAX 60V)	
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)					
Charging Mode	3-stage					
Boost Voltage (Flooded/MF)	29.2V/28.2V				58.4V/56.4V	
Float Voltage (Flooded/MF)	27.0V/27.0V				54.0V/54.0V	
AC Recharging Current	10/20amp	20/30amp				
No Load Power Consumption	<25W				<50W	
Power Saving Consumption	<10W				<15W	
Solar Charger						
Max PV Input / Output	600W			1500W	3000W	
Max Charging Current	MPPT 25A			MPPT 60A		
Max PV Input Voc, MPPT Range	75VDC, 30~66VDC			145VDC, 60~115VDC		
Standby Power	2W			2W		
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS						
Certification	CE					
Operating/Storage Temp.	0°C ~ 55°C / -15°C~ 60°C					
Operating Humidity	20~90%RH Non-Condensing					
Dimension	355*272*128mm		479*295*140mm		468*295*120mm	
Net Weight	7.5Kg	8.0Kg	8.5Kg	12Kg	13Kg	14Kg