

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**

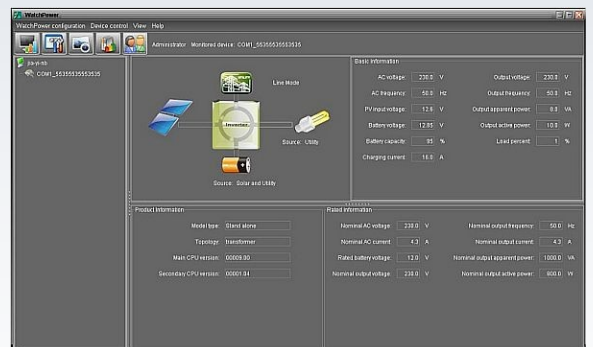
*Only on 4048MSP
 **Only on 4048MS/MSP



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.

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



MONITORING SOFTWARE — WATCHPOWER

*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