

# PIP-MSD/MST SERIES

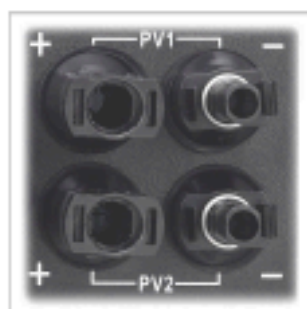
## Off-Grid Solar Inverter



AC/DC CABLE GLAND\*



ENHANCED PCB COATING



MC4 PV CABLE GLAND\*



MAX 3X PV MPPT INPUT

### MAIN FEATURES

- Multiple MPPT input up to 3X
- MC4 PV connectors
- Enhanced PCB coating and resistance against harsh environment
- Solar charging up to 180A!
- High frequency pure sine wave design
- Suitable for Off-Grid or with Grid
- Programmable parameters
- Parallel operation (48V only)
- Max 60A utility charging
- Adjustable charging volt
- Wide AC input range
- Lightweight, easy to install
- 2X surge capacity max 5s
- FREE monitoring software
- LCD Display + LED Indicators
- Genset starter dry contact (Inverter-type generator recommended)
- USB communication interface

PIP-MSD/MST      1212MSD    2424MSD    2448MSD    4048MSD    4048MST

### ELECTRICAL SPECIFICATION

Continuous Output	1200W	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	12V	24V	48V	48V	48V
Max DC Input	16V	32V	62V	60V	
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)				
Charging Mode	3-stage				
Max AC Charging Current	60 amp				

### SOLAR CHARGER SPECIFICATIONS

MPPT Port	2	2	2	2	3
Max Charging Current	80A	80A	40A	120A	180A
Max PV Input Voc	100V	100V	100V	145V	
MPPT Range	15 ~ 80V	30 ~ 80V	60 ~ 90V	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	400*272*124mm			455*295*194mm	
Net Weight	8Kg			16Kg	17Kg

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