

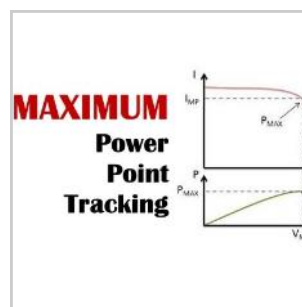
110V / 120V Low Voltage Off-Grid Solar Inverter



110V / 120V OUTPUT



PARALLEL SUPPORT*



Max 80A MPPT or 50A PWM



COMPACT DESIGN

MAIN FEATURES

- 110V / 120V adjustable output design for low voltage area like North America
- Pure sine wave inverter with built-in solar controller
- Max 80A MPPT or 50A PWM type built-in solar charger available
- Stackable — select models support parallel operation up to 6 units*
- 50Hz & 60Hz support
- Selectable AC input volt range
- Programmable parameters
- Max up to 60A utility charging
- Adjustable bulk & float charging voltage
- Support either grid or generator input**
- Genset starter dry contact
- Overload and short circuit protection
- Lightweight, easy to install
- FREE monitoring software
- LCD Display + LED indicators

110V/120V Low Voltage 812LV-MS 1012LV-MS 2424LV-HS 2424LV-MSD

ELECTRICAL SPECIFICATIONS

Max Continuous Power	800W	1000W	2400W	2400W
Parallel Capability	None	None	Max 6 units	Max 6 units
Input Voltage Range	65~140VAC (Appliance mode), 95~140VAC (UPS mode)			
Input/Output Frequency	50Hz/60Hz Auto sensing			
Output Voltage	110/120VAC±5% user selectable			
Output Waveform	Pure Sine Wave			
Peak Efficiency	90%	90%		91%
Nominal DC Voltage	12V	12V		24V
Max DC Voltage (battery)	15.5V	15.5V		31V
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)			
Charging Mode	3-stage			
AC Recharging Current	20A	20A		60A
No Load Power Consumption	<15W	<15W		<50W
Power Saving Mode	<5W	<5W		<15W

SOLAR CHARGER

Algorithm	MPPT	MPPT	PWM	MPPT
Max PV Input / Output	500W	500W	1250W	2000W
Max Charging Current	40A	40A	50A	80A
Max PV Input Voc	102V	102V	80V	145V
MPPT Range	15V-80V	15V-80V	N/A	30~80V
Standby Power	2W			

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Operating/Storage Temp.	0°C ~ 55°C / -15°C ~ 60°C			
Operating Humidity	20~90%RH Non-Condensing			
Dimension	355*272*100mm	355*272*100mm	440*330*125mm	
Net Weight	6.5kg	6.5kg	11kg	12kg

MPP Solar Inc. reserves the right to change product specification without notice. MPP Solar is a registered trademark.

*only available on 2424LV-HS & 2424LV-MSD

**requires inverter-type generator of acceptable output quality

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