

**LOW VOLTAGE 120V
OFF GRID SOLUTION**

**0 ms
transfer time**

1000 WATT / 140 VDC / 12 VDC ALL IN ONE SOLAR CHARGER



TRUE DOUBLE CONVERSION

AC-DC-AC conversion allows zero transfer time. No more interruption to sensitive load during switching



PARALLEL OPERATION

No more worry about not having enough power. Maximum expansion up to 9 units!



POWER FLEXIBILITY

Available in 1KW 12v, 2KW 24V, and 3KW 48v. Suitable for all types of application need



WIDE DC RANGE

10-16V (based on each 12v battery) means greater compatibility to wider range of battery types



BIG CHARGING POWER

Built-in MPPT solar charger max 80A
Utility charger max 60A



WIFI BOX

Uploads inverter data to free Cloud service, accessible via browser on any device
*sold separately



*FREE monitoring software available on PC, Mac, Linux 32bit / 64bit

MI PP Solar
Buying Solar should be this easy



ELECTRICAL SPECIFICATIONS

Max Continuous Power	1000W
Parallel Capability	No
Input Voltage Range	95-140 VAC
Input/Output Frequency	50Hz/60hz Auto sensing
Output Voltage	120VAC \pm 5%
Output Waveform	Pure Sine Wave
Peak Efficiency (line mode)	90%
Peak Efficiency (ECO mode)	98%
Peak Efficiency (battery mode)	88%
Nominal Battery Voltage	12V
Maximum Battery Voltage	16V
Transfer Time (AC Mode to Batt. Mode)	0 ms
Transfer Time (Inverter to Bypass)	4 ms (Typical)
Charging Mode	3-stage
Max AC Charging Current	60A

SOLAR CHARGER

Algorithm	MPPT
Max PV Input / Output	1000W
Max Charging Current	80A
Max PV Input Voc	145V
MPPT Range	15V-115V

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Communication Port	RS232, USB
Operating/Storage Temp.	0°C ~ 55°C / - 15°C~ 60°C
Operating Humidity	5% to 95% Relative Humidity (Non-condensing)
Dimension	468*295*120mm
Net Weight	10.5Kg