

120/240V SPLIT PHASE
SOLAR INVERTER

BUILT-IN
BMS

ALL NEW

3024LV-MSD

120/240V SPLIT PHASE*

A complete upgrade from best-selling predecessor 2424LV-MSD, this latest new Off-Grid solar inverter from MPP Solar now embodies many key new features, ideal for North American 120V single phase and 240V split phase application. 3-phase 208V is also supported.



**INTEGRATED
PARALLEL KIT + WIFI**

*requires parallel of minimum 2 units or more, up to 9 units. Battery is required in parallel.

**UPGRADE 6
NEW FEATURES**

3KW | 24VDC | 250V PV | MAX 80A CHARGING



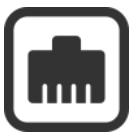
**BATTERY
OPTIONAL**



**PARALLEL
NOW UP TO 9**



**HIGH PV VOLT
250V DESIGN**



**SUPPORT
LITHIUM BMS**

**240V
208V**

**SPLIT PHASE / 3P
240/208V READY***



**BUILT-IN
PARALLEL KIT**



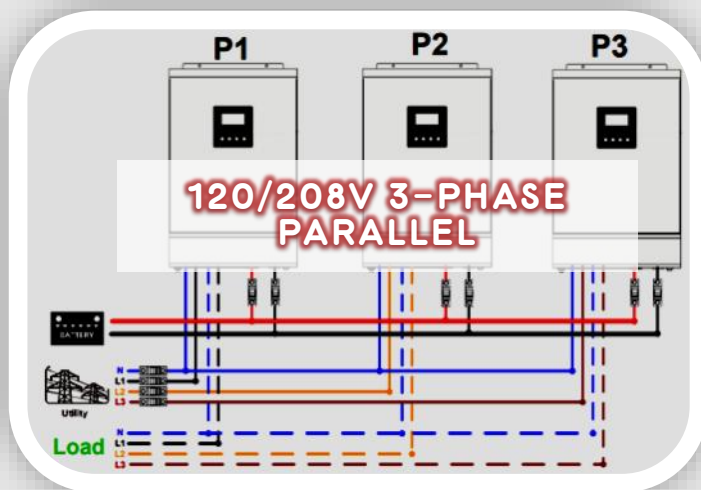
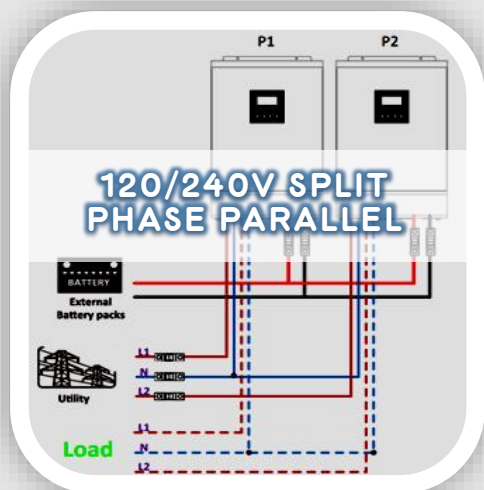
**WIRELESS
MONITORING**



ENERGY MATE APP

MPP Solar
Buying Solar should be this easy

120/240V SPLIT PHASE SOLAR INVERTER



110/120V Low Voltage

3024LV-MSD

ELECTRICAL SPECIFICATIONS

Max Continuous Power	3KW
Parallel Capability	Yes, up to 9 max
Input Voltage Range	80~140VAC (Appliance mode), 90~140VAC (UPS mode)
Input/Output Frequency	50Hz/60hz Auto sensing
Output Voltage	110/120/127VAC user adjustable
Output Waveform	Pure Sine Wave
Peak Efficiency	95%
Nominal DC Voltage	24V
Max Bulk/Float Charge	31.5V
Transfer Time	<10ms (UPS mode), <20ms (Appliance mode)
Charging Mode	3-stage
Max Utility Charging Current	80A
Max Solar Charging Current	80A
Max System Charging Current	80A

SOLAR CHARGER

Algorithm	MPPT
Max PV Input / Output	3000W
Max PV Input Current	18A
Max PV Input Voc	250V
MPPT Range	90 - 230V
Start-up Voltage	~80V

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Communication	RS232, BMS, WIFI
Operating/Storage Temp.	0°C ~ 40°C / -10°C~ 60°C
Operating Humidity	20~90%RH Non-Condensing
Dimension	478 x 308 x 142mm
Net Weight	10Kg