

LOW VOLTAGE 120V
OFF GRID SOLUTION

0 ms
transfer time

LV-MK SOLAR INVERTER

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 (in 1P, 2P, or 3-Phase)

POWER FLEXIBILITY

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

120/240V/208V 2P / 3-PHASE

Single unit output is 120V and supports parallel in 240V SPLIT PHASE or 208V 3-PHASE (requires parallel kit, sold separately)

BIG CHARGING POWER

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

WIDE DC RANGE

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

WIFI BOX

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

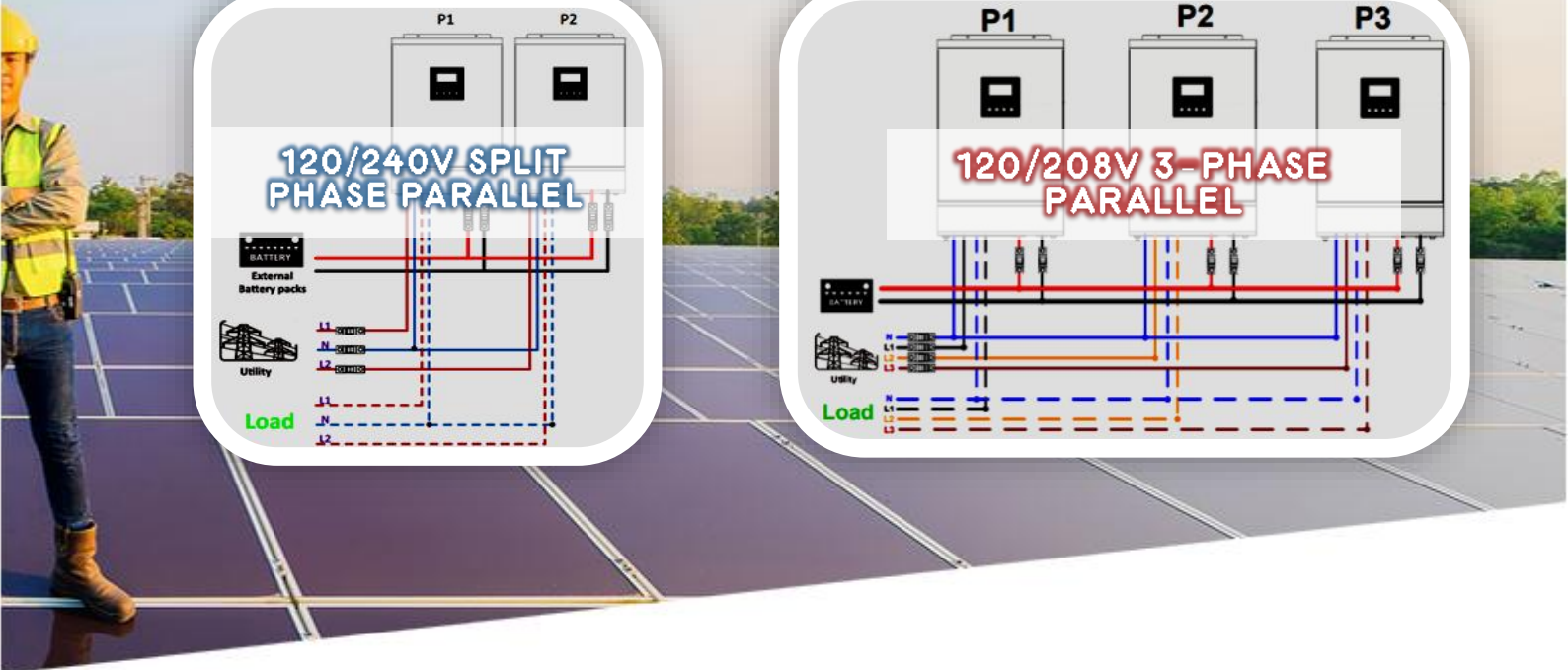
*sold separately



WATCHPOWER

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





PIP-LV-MK Series	1012LV-MK	2024LV-MK	3048LV-MK
ELECTRICAL SPECIFICATIONS			
Max Continuous Power	1000W	2000W	3000W
Parallel Capability	Yes, max up to 9 units (IP, 2P 240V, or 3P 208V)		
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%	90%	92%
Nominal Battery Voltage	12V	24V	48V
Maximum Battery Voltage	16V	32V	64V
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	2000W	4000W
Max Charging Current	80A		
Max PV Input Voc	145V		
MPPT Range	15V-115V	30~115V	60~115V
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	11.0Kg	11.5Kg