

220-240V Single Phase
OFF-GRID SOLUTION



PIP-MT DUAL OUTPUT Series

4kW 6kW

- ✓ Available in 4KW/24V, 6KW/48V
- ✓ 2 output terminals for smart load control, managing both critical and non-critical load effectively*
- ✓ High PV input 500V (Voc)
- ✓ Max PV input current 27A
- ✓ Detachable LCD module
- ✓ Built-in WIFI transmitter
- ✓ BMS support to select lithium
- ✓ Battery optional mode

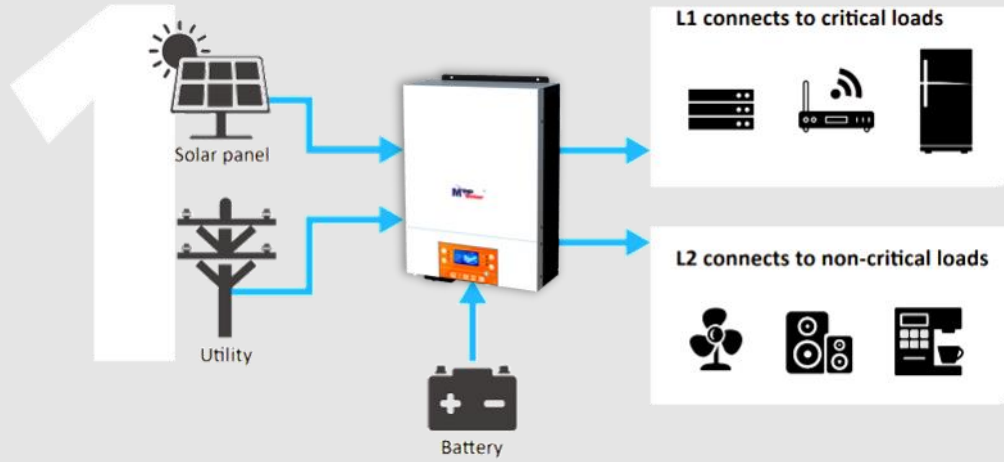
*L2 output ON/OFF adjustable by programming LCD settings based on battery low cut off voltage (SOC), or switch OFF after discharging time, or turn ON only during a specific time period.



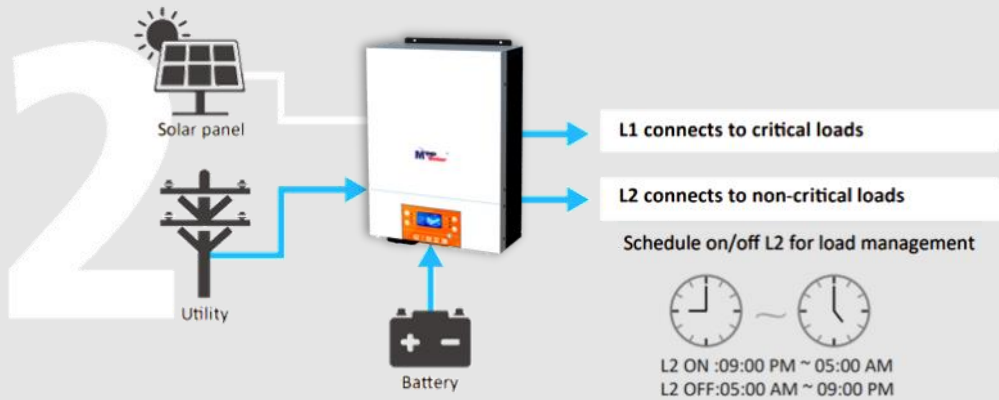
3.6kW 5.6kW

- ✓ Available in 3.6KW/24V, 5.6KW/48V
- ✓ 2 output terminals for smart load control, managing both critical and non-critical load effectively*
- ✓ High PV input 500V (Voc)
- ✓ Max PV input current 27A
- ✓ Battery Equalization
- ✓ Battery optional mode

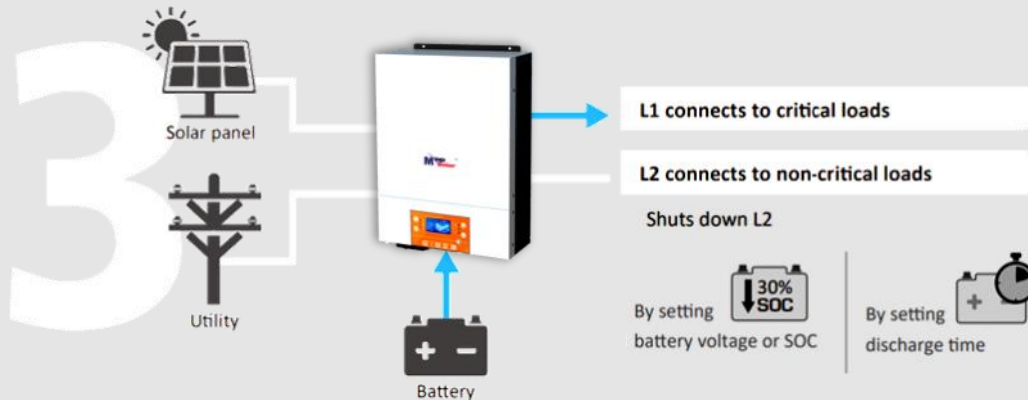
PV and Utility are both available



No PV energy is available



Only Battery power available



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OFF-GRID SOLUTION**



PIP-MT SERIES

3624MT

5648MT

4024MT

6048MT

ELECTRICAL SPECIFICATION

Continuous Output	3.6KW	5.6KW	4KW	6KW
Parallel Capability	None			
Input Voltage Range	90-280VAC (Appliance) / 170-280VAC (UPS)			
Output Waveform	Pure Sine Wave			
Output Voltage	230VAC±10%			
Output Frequency	50Hz / 60Hz auto-sensing			
Peak Efficiency	>93%			
Nominal DC Voltage	24V	48V	24V	48V
Max Bulk/Float	31V	61V	31.5V	61V
Max DC Input	32V	63V	33V	63V
Equalization Charge	31V	61V	31.5V	61V
Transfer Time	<15ms (UPS mode), <20ms (Appliance mode)			

SOLAR / CHARGER SPECIFICATION

Charging Algorithm	MPPT			
Charging Mode	3-stage			
Max PV Array	5000W	6000W	5000W	6000W
Max PV Input Voc	500VDC			
MPPT Range	60 - 450VDC			
Max PV Input Current	27A			
Max Solar Charging Current	120A		120A	
Max Utility Charging Current	100A		100A	
Max System Charging Current	120A		120A	

ENVIRONMENTAL / MECHANICAL SPECIFICATION

Certification	CE			
Communication Interface	USB / RS232	USB / RS232 / BMS / WIFI / Dry Contact		
Operating/Storage Temp.	-10°C ~ 50°C / -15°C~ 60°C			
Operating Humidity	5~95%RH Non-Condensing			
Dimension	420*323*107mm	435*300*115mm		
Net Weight	9.5KG	10.5KG	9KG	10KG

