

220-240V Single Phase
OFF-GRID SOLUTION



TWIN AC OUTPUT

MAX PV INPUT
500V

PIP-6048MGX-T



DUAL AC OUTPUT

2X AC output terminals (AC1 and AC2) provides smart load management and control



PARALLEL OPERATION

No more worry about not having enough power. **Built-in parallel kit.** Maximum parallel up to 9 units¹



WIFI APP MONITORING

Built-in WIFI can support near real-time monitoring of inverter data on smartphone systems²



HIGH PV INPUT AMP

Now allows max PV input current up to 27A which provides better flexibility when configuring array.



HIGH PV INPUT VOLT

Max PV input for MGX-T now is upgraded to 500V (Voc) from 450V



BMS COMMUNICATION

BMS communication now supports Pylontech, Weco, Soltaro, BAK, and MPP Solar's own BMS protocol³



BATTERYLESS MODE

Battery is now optional and unit can power load directly from solar array or grid input⁴

WATCHPOWER APP

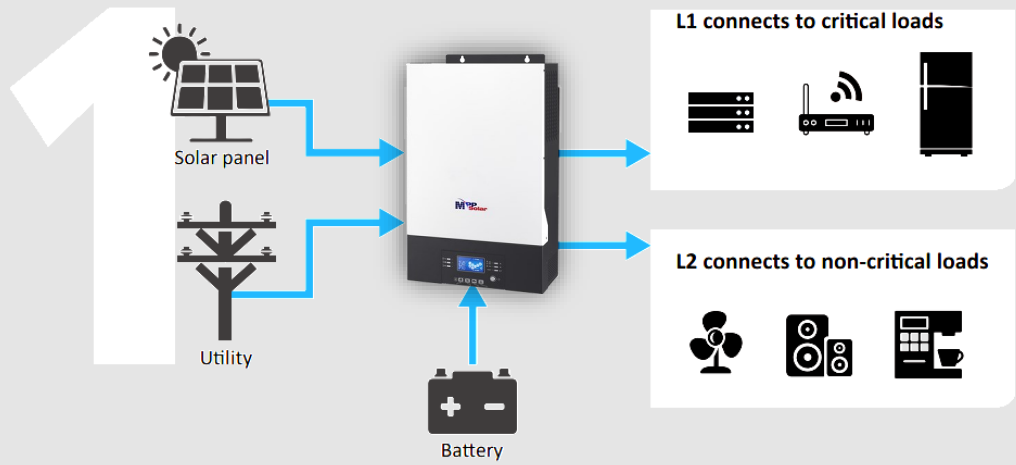
*available on Apple Store & Google Play



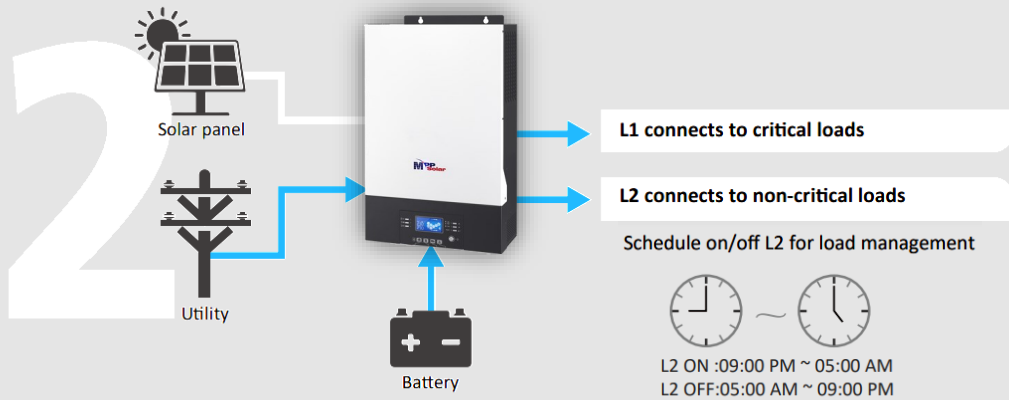
1. Parallel setup requires battery input.
2. available on both Android and iPhone.
3. MPP Solar BMS protocol available upon request
4. batteryless mode is applicable ONLY to single unit mode, not parallel setup

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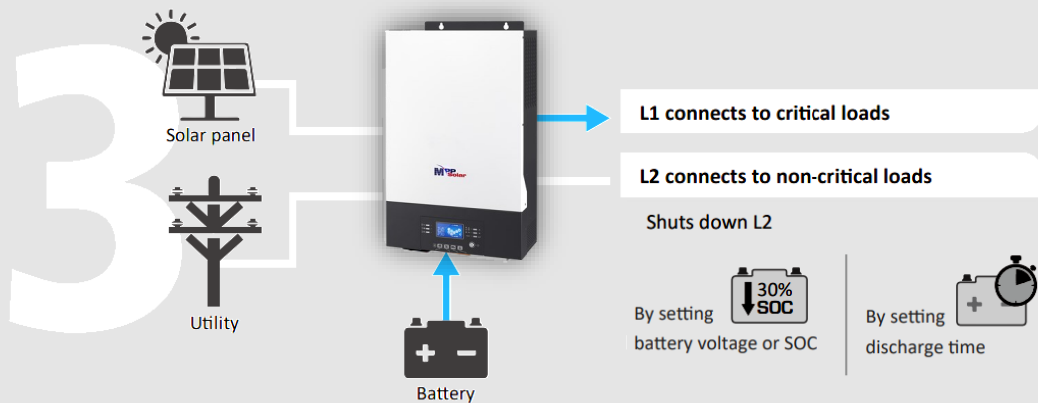
PV & UTILITY BOTH AVAILABLE



PV IS NOT AVAILABLE



ONLY BATTERY AVAILABLE



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PIP MGX-T Series

6048MGX-T

ELECTRICAL SPECIFICATIONS

Max Continuous Power	6000W
Parallel Capability	Yes, max up to 9 units
Nominal Input / Output Voltage	230 VAC
Input/Output Frequency	50Hz/60hz Auto sensing
Output Voltage Regulation	230VAC \pm 5%
Output Waveform	Pure Sine Wave
Peak Efficiency (bypass/inverter)	>95% / >90%
Nominal Battery Voltage	48V
Maximum Battery Charging Voltage	64V
Transfer Time	10ms (UPS) / 20ms (Appliance)
Charging Mode	3-stage
Max AC Charging Current	120A
Batteryless Support	Yes (single unit mode only)

SOLAR CHARGER

Algorithm	MPPT
Max PV Input / Output	6000w
Max PV Charging Current	80A
Max PV Input Voc	500VDC
MPPT Range	120 - 430VDC
Max PV Input Current	27A

ENVIRONMENTAL / MECHANICAL SPECIFICATIONS

Communication Port	RS232, USB, BMS, WIFI
Operating/Storage Temp.	0°C ~ 50°C / -15°C~ 60°C
Operating Humidity	5% to 95% Relative Humidity (Non-condensing)
Dimension	468*295*140mm
Net Weight	12Kg