Max PV Input
450V

PIP-5048MGX

⚡ HIGH PV INPUT

Max PV input up to 450V (Voc) allows more efficient PV wiring in series

DETACHABLE LCD DISPLAY

LCD module can be removed from device and installed for convenient access (max distance allowed 15m).

BATTERYLESS

Battery is no longer required and unit can power load directly from solar array **(single unit mode only)**

PARALLEL OPERATION

No more worry about not having enough power. Maximum expansion up to 9 units! **(battery required)**

GENSET STARTER DRY CONTACT

Built-in dry contact to send remote start signal to generator when necessary (inverter-type generators required)

WATCHPOWER

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

BLUETOOTH MONITORING

Monitoring app available on Android and you can wirelessly monitor inverter data via built-in Bluetooth technology

BMS COMMUNICATION

BMS port supports several Lithium BMS systems (Pylontech, Weco, Soltaro, Bak)

WIFI BOX

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

MPP Solar
Buying Solar should be this easy

PIP-MGX Series	5048MGX
ELECTRICAL SPECIFICATIONS	
Max Continuous Power	5000W
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 ± 5%
Output Waveform	Pure Sine Wave
Peak Efficiency (line mode/inverter mode)	>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	80A
Batteryless Support	Yes (single unit mode only)
Power Saving Mode	Yes
SOLAR CHARGER	
Algorithm	MPPT
Max PV Input / Output	5000W
Max Charging Current	**80A**
Max PV Input Voc	450V
MPPT Range	120-430V
Max PV Input Current	18A
ENVIRONMENTAL / MECHANICAL SPECIFICATIONS	
Communication Port	RS232, USB, BMS
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

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