Max PV Input
450V

PIP-5048MGX

⚡ HIGH PV INPUT

Max PV input up to 500V (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)

📊 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)

WATCHPOWER

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

WIFI BOX

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

MPP Solar

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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)	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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