









PXGP-3-10KWM

Configuration of Home Use Off-Grid Solar Energy Systems

-  Pure sine wave output
-  MPPT Efficiency max 98%
-  Optional MPPT/PWM solarcharge controller 30A -120A
-  Auto Restart when Ac in recovering
-  Selectable charging current based on applications
-  Built in Transformer, overload and Ultra-high voltage protection



Battery Specifications

Model	PXGP-3000WM	PXGP-5000WM	PXGP-5500WM	PXGP-10000WM
Input Side				
Input system	L + N + PE			
Rated input voltage	208 / 220 / 230 / 240VAC			
Voltage range	154 - 264VAC ± 3V (Normal mode) 185 - 264VAC ±3 V (UPS mode)			
Frequency range	50Hz/60Hz(Adaptive)			
Voltage	24Vdc	48Vdc	48Vdc	48Vdc

Output Side

	3000W	5000W	5500W	10000W
Output rated power	3000W	5000W	5500W	10000W
Output voltage	208/220/230/240VAC±5%			
Output frequency	50/60Hz±0.1%			
Operating Phase	Single phase			
waveform	Pure sine wave			
Peak power	6000VA	10000VA	11000VA	20000VA
Peak efficiency (battery mode)	>94%	>94%	>94%	>94%
PV charging mode	MPPT	MPPT	MPPT	Double MPPT
PV Maximum input power	4000W	5500W	5500W	2*5500W
MPPT Input voltage range	120~500Vdc			
Optimal Vmp operating range	300~400Vdc			
Max.PV input voltage	500Vdc			
Max.PV charging current	120A(100A)	100A	100A	160A
Max.mains charging current	120A(100A)	100A	100A	160A
Max.charging current	120A(100A)	100A	100A	160A
LCD Indicator Status	Display running mode/load/input/output, etc			
RS232	5PIN/Pitch2.0mm, baud rate 2400			
Communication interface	2×5PIN/Pitch2.54mm/Lithium Battery BMS Communication/WIFI			
Parallel interface	Yes	Yes	Yes	Yes
Ambient temperature	0~40 C			
Ambient humidity	20%~95% (no condensation)			
Storage temperature	20 C			
Altitude	Highest altitude is 1000m, Derating over 1000m, Max 4000m,For details, see IEC62040			
Noise	≤50db			
D x W x H (mm)	495x312x125			533x621x142
Weight (for reference)KG	7.5	8.5	8.5	TBD



HF SERIES-LV

All in one solar charger

Efficiency

Advanced MPPT with up to 99.9% efficiency
Multiple charge and discharge modes are available

User-Friendly

Industrial design with a modern aesthetic look
Easy to install and simple to use

Reliable

Outputs high-quality pure sine wave AC power
Reliable output for long periods at rated power

All in one

Support for many types of batteries
Supports Li-ion battery BMS communication

Safety

360 degrees of security from hardware to software
With IEC, SAA, FCC certification

Intelligent

Exclusive Li-ion battery BMS dual activation
Support for remote monitoring of operating parameters



INVERTER OUTPUT

Rated Output Power	5,000W	3,000W	3,000W
Max.Peak Power	10,000VA	6,000VA	6,000VA
Rated Output Voltage	230Vac (L/N/PE single phase)		
Load Capacity of Motors	4HP	2HP	2HP
Rated AC Frequency	50Hz/60Hz		
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		

BATTERY

Battery Type	Li-ion/Lead-Acid/User Defined		
Rated Battery Voltage	48Vdc		24Vdc
Voltage Range	40~60Vdc		20~33Vdc
Max.MPPT Charging Current	80A	60A	
Max.Mains/Generator Charging Current		60A	80A
Max.Hybrid Charging Current	140A	120A	140A

PV INPUT

Num. of MPPT Trackers		1	
Max.PV Array Power	4,400W	3,400W	1,600W
Max.Input Current	50A	40A	
Max.Voltage of Open Circuit		145Vdc	100Vdc
MPPT Voltage Range		60~115Vdc	30~85Vdc

MAINS/GENERATOR INPUT

Input Voltage Range	UPS: 170~280Vac APL: 90~280Vac		
Frequency Range	50Hz/60Hz		
Bypass Overload Current	40A	30A	

EFFICIENCY

MPPT Tracking Efficiency	99.9%
Max. Battery Inverter Efficiency	92%

GENERAL

Dimensions	426*322*124mm	378*280*103mm
Weight	10.8kg	6.2kg
Protection Degree	IP20, Indor Only	
Operating Temperature Range	-15 C ~55 C	
Noise	<60dB	
Cooling Method	Internal Fan	
Warranty	1 Year	

COMMUNICATION

Embedded Interfaces	RS485/CAN/USB/Dry contact
External Modules (Optional)	Wi-Fi/GPRS

CERTIFACATION

Safety	IEC 62109, SAA	IEC 62109	IEC 62109, IEC 61683
EMC	EN61000, FCC Part15 ClassB		EN61000
RoHS	Yes		