Axpert MAX Off-Grid Inverter









- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- · Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units only available for 7.2kVA



Axpert MAX Off-Grid Inverter Selection Guide

Notage	MODEL	Axpert MAX 3600-24-230	Axpert MAX 3600-24-120	Axpert MAX 7200-48-230	Axpert MAX-7200-48-120	
Notage	Rated Power	3600VA/3600W		7200VA/7200W*		
Voltage	PARALLEL CAPABILITY	NO		Yes, up to 6 units		
170-280 VAC	INPUT					
Cor Personal Computers Selectable Voltage Range Cor Personal Computers Selectable Voltage Range Cor Personal Computers Selectable Voltage Range Selectable Voltage Range Voltage Range Voltage Range Voltage Range Voltage Range Selectable Voltage Range Voltage Selectable Voltage Voltage Voltage Voltage Voltage Posterior Voltage Voltage Posterior Voltage Volta	Voltage	230 VAC	120 VAC	230 VAC	120 VAC	
Selectable Voltage Range						
Sol Hz/60 Hz (Auto sensing)	Selectable Voltage Range	90-280 VAC	80-140 VAC	90-280 VAC	80-140 VAC	
OUTPUT AC Voltage Regulation (Batt. Mode) 230VAC ± 5% 120VAC ± 5% 230VAC ± 5% 120VAC ± 5% 15000VA		(For Home Appliances)			(For Home Appliances)	
AC Voltage Regulation (Batt. Mode) 230VAC ± 5% 120VAC ± 5% 120VAC ± 5% 1500VA 15000VA 16000VA 1600VA 16000VA 16000VA 16000VA 16000VA 16000VA 16000VA 1600VA 16000VA 1600VA 1600VA 1600VA 1600VA 1600VA 1600VA 1600VA 1600VA 16		50 Hz/60 Hz (Auto sensing)				
Surge Power 7500VA 7500VA 15000VA 15000VA Efficiency (Peak) 90% ~ 93% 15000VA 15000VA Transfer Time 15 ms (For Personal Computers); 20 ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption < 45W						
Efficiency (Peak) 90% ~ 93%						
Transfer Time 15 ms (For Personal Computers); 20 ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption < 45W < 70W Battery Voltage 24 VDC 48 VDC Floating Charge Voltage 27 VDC 54 VDC Overcharge Protection 33 VDC 66 VDC SOLAR CHARGER Solar Charge Type MPPT Maximum PV Array Power 4000 W 8000W (4000W x 2) MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum Solar Charge Current 80 A 4	<u> </u>	7500VA			15000VA	
No Load Power Consumption	, ,	2272 2272				
No Load Power Consumption C 45W C 70W		15 ms (For Personal Computers); 20 ms (For Home Appliances)				
BATTERY Battery Voltage 24 VDC 48 VDC Floating Charge Voltage 27 VDC 54 VDC Overcharge Protection 33 VDC 66 VDC SOLAR CHARGER & AC CHARGER Solar Charger Type MPPT Maximum PV Array Power 4000 W 8000W (4000W x 2) MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 450 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum AC Charge Current 80 A Maximum AC Charge Current 80 A Maximum Charge Current 80 A Maximum Charge Current 80 A We Wight (kgs) 14.1 14.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity (Non-condensing) Operating Temperature -10°C to 50°C						
Battery Voltage	No Load Power Consumption	< 45W		< 70W		
Floating Charge Voltage 27 VDC 54 VDC	BATTERY					
Overcharge Protection 33 VDC 66 VDC SOLAR CHARGER & AC CHARGER Solar Charger Type MPPT Maximum PV Array Power 4000 W 8000W (4000W x 2) MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 450 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum PV Array Open Circuit Voltage 80 A 80 A Maximum AC Charge Current 80 A 80 A Maximum Charge Current 80 A 80 A PHYSICAL 80 A 80 A Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact 0PERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Battery Voltage	24 VDC		48 VDC		
SOLAR CHARGER & AC CHARGER Solar Charger Type MPPT Maximum PV Array Power 4000 W 8000W (4000W x 2) MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 450 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum Solar Charge Current 80 A 80 A Maximum Charge Current 80 A 80 A PHYSICAL 80 A 80 A Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact 0PERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Floating Charge Voltage	27 VDC		54 VDC		
Solar Charger Type	Overcharge Protection	33 VDC 66 VDC				
Maximum PV Array Power 4000 W 8000W (4000W x 2) MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 450 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum AC Charge Current 80 A Maximum Charge Current 80 A Maximum Charge Current 80 A PHYSICAL Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	SOLAR CHARGER & AC CHARGER					
MPPT Range @ Operating Voltage 120 ~ 450 VDC 90 ~ 230 VDC 90 ~ 450 VDC 90 ~ 230 VDC Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum AC Charge Current 80 A Maximum Charge Current 80 A Maximum Charge Current 80 A PHYSICAL Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Solar Charger Type	MPPT				
Maximum PV Array Open Circuit Voltage 500 VDC 250 VDC 500 VDC 250 VDC Maximum Solar Charge Current 80 A 80 A Maximum Charge Current 80 A 80 A PHYSICAL Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 18.4 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Maximum PV Array Power	4000 W		,		
Maxmum Solar Charge Current 80 A Maximum AC Charge Current 80 A Maximum Charge Current 80 A PHYSICAL 80 A Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	MPPT Range @ Operating Voltage	120 ~ 450 VDC	90 ~ 230 VDC	90 ~ 450 VDC	90 ~ 230 VDC	
Maximum AC Charge Current 80 A Maximum Charge Current 80 A PHYSICAL		500 VDC	250 VDC	500 VDC	250 VDC	
Maximum Charge Current 80 A PHYSICAL Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Maxmum Solar Charge Current	80 A				
PHYSICAL Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Maximum AC Charge Current	80 A				
Dimension, D x W x H (mm) 147.4 x 432.5 x 553.6 Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Maximum Charge Current	80 A				
Net Weight (kgs) 14.1 18.4 Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	PHYSICAL					
Communication Interface USB/RS232/RS485/Wifi/Dry-contact OPERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6				
OPERATING ENVIRONMENT Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Net Weight (kgs)	14.1		18.4		
Humidity 5% to 95% Relative Humidity(Non-condensing) Operating Temperature -10°C to 50°C	Communication Interface	USB/RS232/RS485/Wifi/Dry-contact				
Operating Temperature -10°C to 50°C	OPERATING ENVIRONMENT					
	Humidity	5% to 95% Relative Humidity(Non-condensing)				
Storage Temperature -15°C to 60°C	Operating Temperature	-10°C to 50°C				
	Storage Temperature	-15°C to 60°C				
STANDARD	STANDARD					
Compliance Safety CE UL CE UL	Compliance Safety	CE	UL	CE	UL	

^{* 120} VAC model rated as 5000VA when unit operated under inverte mode Product specifications are subject to change without further notice.

