

Axpert MAX III Hybrid & Off-Grid Inverter



Control Panel



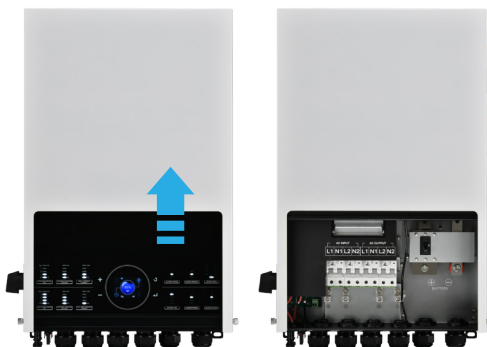
- **User-friendly LCD setting and intuitive LED design**

The MAX III includes 12 important LCD settings with indicators on the front panel that lights up to display the current parameter settings.



- **Easy access cable design with sliding door**

The MAX III is designed with a sliding door on the LCD panel to facilitate installation. The installer can simply slide the control panel up and lock it with the holder to easily access cable wirings.



- **Dual inputs and Dual outputs for smart energy management**

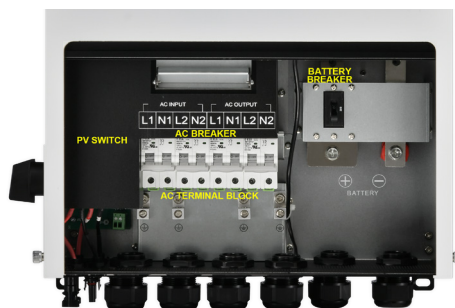
The MAX III is designed to allow two independent AC power sources that would switch automatically to prevent power interruption. It is also equipped with dual outputs to allow output power to be arranged as desired.

- **Grid support and built-in CT sensor**

The MAX III has the grid-support function that allows large output power without changing the utility infrastructure and a built-in CT sensor that meets self-consumption application.

- **Built-in DC, AC breaker, PV DC switch**

MAX III contains a built-in DC breaker, AC breaker and PV DC switch to provide safety and reliability.



- **New wall mount bracket design**

The MAX III has a new wall mount bracket, which eliminates the need for installers to carry a heavy measurement machine. Installers simply need to install the new wall mount bracket and the machine is placed directly on it to complete installation.

- **Upgrade maximum PV power to 12000W or 18000W**

The whole series is upgraded to 12000W or 18000W PV power based on models.

- **Parallel operation with 6 units**

For increased power and capacity, the MAX III allows parallel operation to up to 6 units by connecting additional inverters and batteries. This supports the wider applications of households and small businesses.

- **User Selectable Hybrid or Off-Grid mode inverter operation**

Axpert MAX III Hybrid & Off-Grid Inverter Selection Guide

MODEL	Axpert MAX III 11KW		Axpert MAX III 12KW	
RATED INVERTER POWER	11000VA/11000W		12000VA/12000W	
PARALLEL CAPABILITY	YES, 6 units		YES, 6 units	
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Surge Power	22000VA	24000VA		
Efficiency (Peak)	93%			
Transfer Time	15 ms (For Personal Computers), 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
No Load Power Consumption	<75W			
DC Voltage	12 VDC ± 5%, 100W			
BATTERY				
Battery Voltage	48 VDC	48 VDC		
Floating Charge Voltage	54 VDC	54 VDC		
Overcharge Protection	66 VDC	66 VDC		
SOLAR CHARGER & AC CHARGER				
Solar Charger type	MPPT			
Maximum PV Array Power	12000W (6000W x 2)	18000W (Max. 12000W per tracker)		
MPP Range @ Operating Voltage	90 ~ 450 VDC	90 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC		
Maximum PV Input Current	27A x 2 (MAX. 40A)	40A/27A (MAX 60A)		
Maximum Solar Charge Current	150A	200A		
Maximum AC Charge Current	150A	200A		
Maximum Charge Current	150A	200A		
PHYSICAL				
Dimension, D x W x H (mm)	176.3 x 432.4 x 687			
Net Weight (kgs)	25	28.5		
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			
Storage Temperature	-15°C to 60°C			
STANDARD				
Compliance Safety	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12			

Product specifications are subject to change without further notice.