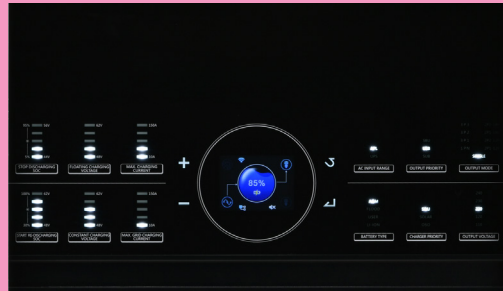


Axpert MAX III Hybrid & Off-Grid Inverter



Control Panel



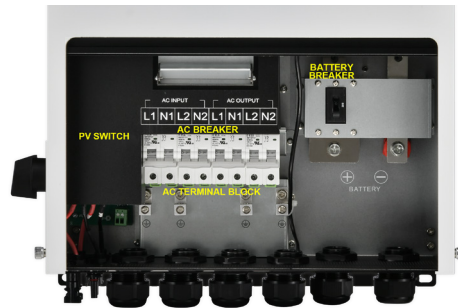
Hybrid & Off-Grid Inverter

- **User-friendly LCD setting and intuitive LED design**
Axpert Max III includes 12 important LCD settings with indicators on the front panel that lights up to display the current parameter settings.



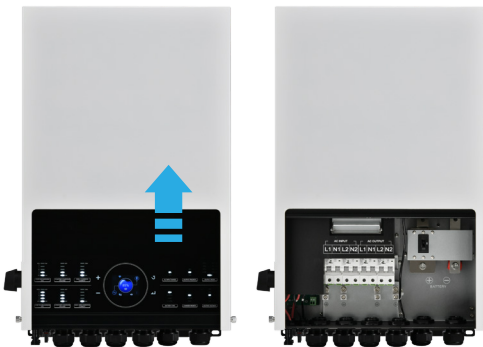
- **Grid support and built-in CT sensor**
Axpert Max III has the grid-support function that allows a large output power without changing the utility infrastructure and a built-in CT sensor that meets self-consumption application.

- **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.



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

- **New wall mount bracket design**
Axpert 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.

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

- **Parallel operation with 6 units**
For increased power and capacity, the MAX III allows parallel operation 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 \pm 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 \pm 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.