

Features:

- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high-power charging current
- Compatible to Utility mains or generator input
- Dual outputs selected as either programmable output or generator input

SOL-I-AX-11M

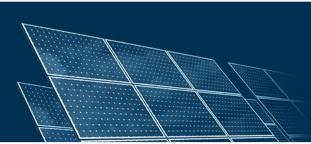


Axpert MAX

Off-Grid Inverter

Rated Power 11 000W / 11 000W Parallel Capability Yes, 6 units. Parallel card included Input Voltage 230V AC Selectable Voltage Range 170-280V AC (For Personal Computers) 90-280V AC (For Home Appliances) Frequency Range 50Hz / 60Hz (Auto sensing) Output AC Voltage Regulation (Line & Batt Mode) 230V AC ±5% Surge Power 22 000V AC Selectable Voltage Regulation (Line & Batt Mode) 33% Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption 470W Ves Sattery Selectable Voltage 48V DC Floating Charge Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger Solar Charge (Parallel Charger) Solar Charge (Parallel Charger) Solar Charger & AC Charger Solor Charger &	Inverter Specs	
Input Voltage 230V AC Selectable Voltage Range 170-280V AC (For Personal Computers) 90-280V AC (For Home Appliances) Frequency Range 50Hz / 60Hz (Auto sensing) 90-280V AC (For Home Appliances) Frequency Range 50Hz / 60Hz (Auto sensing) 90-280V AC (For Home Appliances) 90-280V AC (For Home Appliances) 90-280V AC (For Home Appliances) 90-280V AC 25% 93	Rated Power	11 000VA / 11 000W
Voltage 230 V AC Selectable Voltage Range 170-280 V AC (For Personal Computers) 90-280 V AC (For Home Appliances) Frequency Range 50Hz / 60Hz (Auto sensing) Output	Parallel Capability	Yes, 6 units. Parallel card included
Selectable Voltage Range 170-280V AC (For Personal Computers) 90-280V AC (For Home Appliances)	Input	
Frequency Range 50Hz / 60Hz (Auto sensing) Output SOHz / 60Hz (Auto sensing) AC Voltage Regulation (Line & Batt Mode) 230V AC ±5% Surge Power 22 000VA Efficiency (Peak) 93% Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption <70W	Voltage	230V AC
Frequency Range 50Hz / 60Hz (Auto sensing) Output AC Voltage Regulation (Line & Batt Mode) 230V AC ±5% Surge Power 22 000VA Efficiency (Peak) 93% Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption <70W	Selectable Voltage Range	170-280V AC (For Personal Computers)
Output C Voltage Regulation (Line & Batt Mode) 230V AC ±5% Surge Power 22 000VA Efficiency (Peak) 93% Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption < 770W Dual Outputs Yes Battery *** Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger *** Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTS 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum AC Charge Current 150A Maximum Charge Current 150A Maximum Charge Current 150A Maximum Charge Current 150A Maximum Charge Current 150A Meximum Charge Current 150A <tr< th=""><td></td><td>90-280V AC (For Home Appliances)</td></tr<>		90-280V AC (For Home Appliances)
AC Voltage Regulation (Line & Batt Mode) Surge Power Efficiency (Peak) Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption Joul Outputs Battery Battery Battery Voltage Floating Charge Voltage Voercharge Protection Solar Charge Type Maximum PV Array Power Maximum PV Array Power Maximum PV Array Open Circuit Voltage Maximum PV Array Open Circuit Voltage Maximum AC Charge Current Maximum AC Charge Current Maximum Course Current Maximum Course Current Pure sine wave 150A Maximum Course Type MPPT Range © Operating Voltage Maximum AC Charge Current Maximum AC Charge Current Maximum Course Current Maximum Course Current Physical Dimensions D X W X H (mm) Net Velight (kgs) Results A Sine Des West Action Sine Course Course Communication Interface Res23, USB, Dry Contact, Wi-Fi, RS485 Environment Humidity Sy to 95% Relative Humidity (Non-condensing) Operating Temperature	Frequency Range	50Hz / 60Hz (Auto sensing)
Surge Power22 000VAEfficiency (Peak)93%Transfer Time10ms (For Personal Computers); 20ms (For Home Appliances)WaveformPure sine waveNo Load Power Consumption<70WDual OutputsYesBatteryBattery Voltage48V DCFloating Charge Voltage54V DCOvercharge Protection63V DCSolar Charge & AC ChargerMPPTMaximum PV Array Power11 000WNumber of MPPTS2 X 5 500WMaximum PV Array Open Circuit Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Carge Current150AMaximum Charge Current150AMeximum Charge Current150ADimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment10°C to 50°CUmuldity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Output	
Efficiency (Peak) 93% Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption <70W Dual Outputs Yes Battery *** Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charge *** AC Charger **** Solar Charge Type MPPT Maximum PV Array Power 1100W Number of MPPTs 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum AC Charge Current 150A Maximum Charge Current 150A Physical 147.4 X 432.5 X 553.6 Net Weight (kgs) 18.4kg Communication Interface RS232, USB, Dry Contact, Wi-Fi, RS485 Environment -10°C to 50°C Unmidity 5% to 95% Relative Humidity (Non-condensing) Operating Temperature -10°C to 50°C	AC Voltage Regulation (Line & Batt Mode)	230V AC ±5%
Transfer Time 10ms (For Personal Computers); 20ms (For Home Appliances) Waveform Pure sine wave No Load Power Consumption < 700W Dual Outputs Yes Battery Wave DC Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTS 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum Act Charge Current 150A Maximum Charge Current 150A Physical 150A Dimensions D X W X H (mm) 147.4 X 432.5 X 553.6 Net Weight (kgs) 18.4kg Communication Interface RS232, USB, Dry Contact, Wi-Fi, RS485 Environment -10°C to 50°C Humidity 5% to 95% Relative Humidity (Non-condensing) Operating Temperature -10°C to 50°C	Surge Power	22 000VA
Waveform Pure sine wave No Load Power Consumption <70W Dual Outputs Yes Battery Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger MPPT Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTs 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum AC Charge Current 150A Maximum Charge Current 150A Physical 150A Dimensions D X W X H (mm) 147.4 X 432.5 X 553.6 Net Weight (kgs) 18.4kg Communication Interface RS232, USB, Dry Contact, Wi-Fi, RS485 Environment -10°C to 50°C Humidity 5% to 95% Relative Humidity (Non-condensing) Operating Temperature -10°C to 50°C	Efficiency (Peak)	93%
No Load Power Consumption < 70W Dual Outputs Yes Battery Battery Battery Voltage	Transfer Time	10ms (For Personal Computers); 20ms (For Home Appliances)
Dual OutputsYesBattery48V DCFloating Charge Voltage48V DCOvercharge Protection63V DCSolar Charger & AC ChargerMPPTMaximum PV Array PowerMPPTMaximum PV Array Power11 000WMPPT Range @ Operating Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150AMaximum Charge Current150AMeximum Charge Current150AMeximum Charge Current150AMeximum Charge Current150AMeximum Charge Current150AMeximum Charge Current150APhysical147.4 X 432.5 X 553.6Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4 kgCommunication InterfaceR\$232, USB, Dry Contact, Wi-Fi, R\$485Environment140 Contact, Wi-Fi, R\$485Environment150 Contact, Wi-Fi, R\$485Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Waveform	Pure sine wave
Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTs 2 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum PV Array Open Circuit Voltage 150A Maximum AC Charge Current 150A Maximum AC Charge Current 150A Maximum Charge Current 150A Maximum Charge Current 140A Minimum Charge Current 150A Maximum Charge Current 15	No Load Power Consumption	<70W
Battery Voltage 48V DC Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTs 2 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum AC Charge Current 150A Maximum	Dual Outputs	Yes
Floating Charge Voltage 54V DC Overcharge Protection 63V DC Solar Charger & AC Charger Solar Charge Type MPPT Maximum PV Array Power 11 000W Number of MPPTs 2 2 X 5 500W MPPT Range @ Operating Voltage 90-450V DC Maximum PV Array Open Circuit Voltage 500V DC Maximum Solar Charge Current 150A Maximum AC Charge Current 150A Maximum AC Charge Current 150A Physical Dimensions D X W X H (mm) 147.4 X 432.5 X 553.6 Net Weight (kgs) 18.4kg Communication Interface RS232, USB, Dry Contact, Wi-Fi, RS485 Environment Humidity 5% to 95% Relative Humidity (Non-condensing) Operating Temperature	Battery	
Overcharge Protection63V DCSolar Charger & AC ChargerMPPTSolar Charge TypeMPPTMaximum PV Array Power11 000WNumber of MPPTs2 X 5 500WMPPT Range @ Operating Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysical147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Battery Voltage	48V DC
Solar Charger & AC Charger Solar Charge Type Maximum PV Array Power Number of MPPTs Aximum PV Array Operating Voltage MPPT Range @ Operating Voltage Maximum PV Array Open Circuit Voltage Maximum Solar Charge Current Maximum AC Charge Current Maximum AC Charge Current Maximum Charge Current Dimensions D X W X H (mm) Net Weight (kgs) Communication Interface Environment Humidity Syl to 95% Relative Humidity (Non-condensing) Operating Temperature	Floating Charge Voltage	54V DC
Solar Charge TypeMPPTMaximum PV Array Power11 000WNumber of MPPTs2 X 5 500WMPPT Range @ Operating Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysical147.4 X 432.5 X 553.6Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Overcharge Protection	63V DC
Maximum PV Array Power11 000WNumber of MPPTs2 X 5 500WMPPT Range @ Operating Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysicalDimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Solar Charger & AC Charger	
Number of MPPTs2 X 5 500WMPPT Range @ Operating Voltage90-450V DCMaximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysical147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485EnvironmentFindityHumidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Solar Charge Type	MPPT
MPPT Range @ Operating Voltage Maximum PV Array Open Circuit Voltage Maximum Solar Charge Current Maximum AC Charge Current Maximum Charge Current Dimensions D X W X H (mm) Net Weight (kgs) Communication Interface Environment Humidity Operating Temperature 90-450V DC 90-450V DC 1500 1470 1500 1470 14	Maximum PV Array Power	11 000W
Maximum PV Array Open Circuit Voltage500V DCMaximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysical147.4 X 432.5 X 553.6Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment147.4 X 432.5 X 553.6Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Number of MPPTs	2 X 5 500W
Maximum Solar Charge Current150AMaximum AC Charge Current150AMaximum Charge Current150APhysical147.4 X 432.5 X 553.6Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment447.4 X 432.5 X 553.6Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	MPPT Range @ Operating Voltage	90-450V DC
Maximum AC Charge Current Maximum Charge Current Physical Dimensions D X W X H (mm) Net Weight (kgs) Communication Interface Environment Humidity Operating Temperature 150A 147.4 X 432.5 X 553.6 147.4 X 432.5 X 553.6 R47.4 X 432.5 X 553.6 R5232, USB, Dry Contact, Wi-Fi, RS485 Environment -10°C to 50°C	Maximum PV Array Open Circuit Voltage	500V DC
Maximum Charge Current150APhysical147.4 X 432.5 X 553.6Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment4Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Maximum Solar Charge Current	150A
PhysicalDimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment4Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Maximum AC Charge Current	150A
Dimensions D X W X H (mm)147.4 X 432.5 X 553.6Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment4Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Maximum Charge Current	150A
Net Weight (kgs)18.4kgCommunication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485EnvironmentStrommentHumidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Physical	
Communication InterfaceRS232, USB, Dry Contact, Wi-Fi, RS485Environment5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Dimensions D X W X H (mm)	147.4 X 432.5 X 553.6
Environment Humidity 5% to 95% Relative Humidity (Non-condensing) Operating Temperature -10°C to 50°C	Net Weight (kgs)	18.4kg
Humidity5% to 95% Relative Humidity (Non-condensing)Operating Temperature-10°C to 50°C	Communication Interface	RS232, USB, Dry Contact, Wi-Fi, RS485
Operating Temperature -10°C to 50°C	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

Product specifications are subject to change without further notice.



CONTACT DETAILS

08:00 – 17:00 Monday to Friday Saturday and Sunday – Closed Tel: +27 (0)11 237 1000 Fax: + 27 (0)11 237 1801

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