



SOL-I-AX-3MPlus | SOL-I-AX-1M  
SOL-I-AX-3M  
SOL-I-AX-5P

# INVERTER



SOL-I-AX-1M  
SOL-I-AX-3M

SOL-I-AX-5P

SOL-I-AX-3MPlus

## Features

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional remote panel available

MODEL	SOL-I-AX-1M		SOL-I-AX-3M		SOL-I-AX-3MPlus		SOL-I-AX-5P	
<b>Rated Power</b>	1000VA/1000W		3000VA/3000W		3000VA/3000W		5000VA/5000W	
<b>INPUT</b>								
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)							
<b>OUTPUT</b>								
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%							
Surge Power	2000VA	6000VA		6000VA		10000VA		
Efficiency (Peak)	90% - 93%	93%		90% - 93%		93%		
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)							
Waveform	Pure sine wave							
<b>BATTERY</b>								
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC	24 VDC	48 VDC		
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC	27 VDC	54 VDC		
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC	31 VDC	62 VDC	60 VDC	
<b>SOLAR CHARGER &amp; AC CHARGER</b>								
Maximum PV Array Power	600 W	900 W	600 W	900 W	1500 W	3000 W		
MPPT Range @ Operating Voltage	30 VDC ~ 66 VDC	60 VDC ~ 88 VDC	30 VDC ~ 66 VDC	60 VDC ~ 88 VDC	30 VDC ~ 115 VDC	60 VDC ~ 115 VDC		
Maximum PV Array Open Circuit Voltage	75 VDC	102 VDC	75 VDC	102 VDC	145 VDC			
Maximum Solar Charge Current	25A	18 A	25A	18 A	60 A			
Maximum AC Charge Current	20 A	15 A	30 A	15 A	20 A / 30 A	10 A / 15 A	60 A	
Maximum Charge Current	25A	18 A	30 A	18 A	—	—	120 A	
	AC charger and solar charger can't work at the same time.							
Maximum Efficiency	98%							
Standby Power Consumption	2 W							
<b>PHYSICAL</b>								
Dimension, D X W X H (mm)	100 x 272 x 355				140 x 295 x 479		140 x 295 x 540	
Net Weight (kgs)	6.8		7.4		11.5		13.5	
<b>OPERATING ENVIRONMENT</b>								
Humidity	5% to 95% Relative Humidity(Non-condensing)							
Operating Temperature	0 °C to 55 °C							
Storage Temperature	-15 °C to 60 °C							

\* Product specifications are subject to change without further notice

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