



electrahertz
electrical suppliers (Pty) Ltd

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

INVERTER



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

SOL-I-AX-5M

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



electrahertz

(Pty) Ltd
electrical suppliers

MODEL	SOL-I-AX-1M		SOL-I-AX-3M		SOL-I-AX-3MPlus		SOL-I-AX-5M	
Rated Power	1000VA/800W	1000VA/1000W	3000VA/2400W		3000VA/2400W		5000VA/4000W	
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	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							
BATTERY								
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	
SOLAR CHARGER & AC CHARGER								
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							
PHYSICAL								
Dimension, D X W X H (mm)	100 x 272 x 355				140 x 295 x 479		140 x 295 x 540	
Net Weight (kg)	6.8		7.4		11.5		13.5	
OPERATING ENVIRONMENT								
Humidity	5% to 95% Relative Humidity(Non-condensing)							
Operating Temperature	0°C to 55°C							
Storage Temperature	-15°C to 60							

Product specifications are subject to change without further notice

PRETORIA

Fakkell Street cnr Krige Street

Silverton 0184

P.O. Box 1382, Silverton 0127

T. +27(12) 804-0120

F. +27(12) 804-2585

salespt@electrahertz.co.za

JOHANNESBURG

6 Derick Coetzee Street

Jet Park 1469

P.O. Box 1382, Silverton 0127

T. +27(11) 397-1750

F. +27(11) 397-1753

salesjp@electrahertz.co.za