



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	
Rated Power	1000VA/1000W		3000VA/3000W		3000VA/3000W		5000VA/5000W	
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 (kgs)	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 °C							

* Product specifications are subject to change without further notice

Distributed by



www.mecer.co.za
www.mustek.co.za

Johannesburg
Tel: 011 237 1000

Cape Town
Tel: 021 413 3000

Durban
Tel: 031 534 7000

Bloemfontein
Tel: 051 405 0400

Port Elizabeth
Tel: 041 397 8700

Kimberley
Tel: 053 831 1571

Gauteng
Tel: 011 237 1000

W Cape
Tel: 021 413 3000

KwaZulu-Natal
Tel: 041 534 7000

E Cape
Tel: 041 397 8700

Free State
Tel: 051 405 0400

N Cape
Tel: 053 831 1571

Mpumalanga
Tel: 013 752 6027

Nelspruit
Tel: 013 752 6027

Kenya
Mustek East Africa Ltd.
Tel: +254 020 3752175-9

Limpopo
Tel: 015 298 8571

North West
Tel: 018 381 5938