

# MIS

## Solar Inverter

### Features

- Pure sine wave output
- Friendly user interface
- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current
- Battery low voltage shutdown point can be set to 11\10.5\10V
- Power-save mode
- Set utility priority \battery priority
- Set utility input wide/narrow voltage range
- Inverter voltage can be set to 220V\230V\240V
- Inverter frequency can be set to 50Hz\60Hz
- Set utility charging on/off switch
- Inbuilt 80A MPPT Solar Charge Controller



MODEL	MIS-1000		MIS-1500		MIS-2000		MIS-3000		MIS-4000		MIS-5000		MIS-6000	
Nominal Battery System Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC	48VDC	48VDC	48VDC
<b>INVERTER OUTPUT</b>														
Rated Power	1 KW		1.5 KW		2 KW		3 KW		4 KW		5 KW		6 KW	
Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA		18000VA	
Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP		2HP		3HP		3HP	
Waveform	Pure sine wave \ same as input (bypass mode)													
Nominal Output Voltage RMS	220V \ 230V \ 240VAC (±10% RMS)													
Output Frequency	50Hz \ 60Hz ±0.3Hz													
Inverter Efficiency (Peak)	>88%													
Line Mode Efficiency	>95%													
Power Factor	1.0													
Typical Transfer Time	10ms(max)													
<b>AC INPUT</b>														
Voltage	230VAC													
Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)													
Frequency Range	50Hz \ 60Hz(Auto sensing) 40~80Hz													
<b>BATTERY</b>														
Minimum Start Voltage	(10V \ 10.5V \ 11V )+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)													
Low Battery Alarm	(10V \ 10.5V \ 11V )+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)													
Low Battery Cut Off	10V \ 10.5V \ 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)													
High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)													
High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)													
Idle Consumption-Search Mode	Load ≤50±20W(120V)\100±20W(220V)													
<b>CHARGER</b>														
Output Voltage	Depends on battery type													
Charge AC Input Breaker Rating	230V	1-1.5K\10A				2-3K\30A				4-6K\40A				
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)													
Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A	40A	40A

BYPASS & PROTECTION												
Input Voltage Waveform	Sine wave (grid or generator)											
Nominal Input Frequency	50Hz or 60Hz											
Overload Protection (SMPS Load)	Circuit breaker											
Output Short Circuit Protection	Circuit breaker											
Bypass Breaker Rating	230V	1-3K\30A						4-6K\40A				
Max Bypass Current	30Amp											
SOLAR CHARGER												
Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	5000W	5000W
Maximum PV Charge Current	80A±4A											
DC Voltage	12V \ 24V auto work						24V \ 48V auto work					
MPPT Range @ Operating Voltage	16~100VDC @ 12V/32~145VDC @ 24V						32~145VDC @ 24V/64~145VDC @ 48V					
Maximum PV Array Open Circuit Voltage	145VDC											
Standby Power Consumption	<2W											
MECHANICAL SPECIFICATIONS												
Mounting	Wall Mount											
Dimensions (W*H*D)	423*247*197mm						597*247*197mm					
Net Weight (Solar CHG)(kg)	17.2	17.7	21.8	20.7	25.2	25.5	38.9	36.5	45.7	45.7		
Shipping Dimensions (W*H*D)	585*387*322mm						758*387*322mm					
Shipping Weight (Solar CHG)(kg)	20	20.7	24.8	23.5	28.2	28.2	43	40.7	50	50		
OTHER												
Operation Temperature Range	0°C to 40°C											
Storage Temperature	-15°C to 60°C											
Audible Noise	60dB MAX											
Display	LED+LCD											
Standard Warranty	1 year											