

# OFF GRID SOLAR INVERTER

## MKS SERIES

On/Off Grid Solar Inverter



Max. Efficiency  
98%



IP21  
Ingress Protection



40A MPPT



DUSTPROOF



Receptacle



LCD Display



### »» Features

- Pure sine wave solar inverter
- Built-in 40A MPPT Solar charger
- PV input voltage range 20~150VDC (for 1000W), 30~150VDC (for 1500W)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Meet rich customized demands
- Solar energy is provided directly to the load first

### »» Product Data Sheet

Model	MKS-1000-12	MKS-1500-24
RATED POWER	1000W/1000VA	1500W/ 1500VA
<b>AC Input</b>		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC (For Personal Computers)	
	90~280VAC (For Home Appliances)	
Frequency Range	50 Hz/60Hz (Auto sensing)	
<b>AC OUTPUT</b>		
AC Voltage Regulation	230VAC ± 5%	
Surge Power	2000 VA	30 00VA
Efficiency (Peak) PV to INV	98%	
Efficiency (Peak) Battery to INV	94%	
Transfer Time	10 ms	
<b>BATTERY</b>		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.5VDC	27VDC
Overcharge Protection	16VDC	32VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	600W	1200W
MPPT Range @ Operating Voltage	20~150VDC	30~150VDC
Maximum PV Array Open Circuit Voltage solar	150VDC	
Maximum Solar Charging Current	40A	
Maximum AC Charging Current	40A	
Maximum Solar+AC Charging Current	80A	
<b>PHYSICAL</b>		
Dimension, D*W*H (mm)	290*240*91	
Carton Dimension, D X W X H (mm)	340*295*145	
Net Weight (kgs)	3.5	3.6
Gross Weight (kgs)	4.0	4.2
<b>ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non ~ condensing)	
Operating Temperature	-10°C ~ 50 °C	
<b>STANDARD</b>		
Compliance Safety	CE	