

## MKS series wall mounted solar inverter with AC charger and MPPT solar charger



- 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
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Optional remote panel available

### MKS Off-Grid Inverter Selection Guide

MODEL	MKS 1K-24	MKS 1K-48	MKS 2K-24	MKS 3K-24	MKS 3K-48	MKS 4K	MKS 5K
Rated Power	1000VA/800W	1000VA/1000W	2000VA/1600W	3000VA/2400W	3000VA/2400W	4000VA/3200W	5000VA/4000W
<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		4000VA	6000VA		8000VA	10000VA
Efficiency (Peak)	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	24 VDC	48 VDC		48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	27 VDC	54 VDC		54 VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	31 VDC	62 VDC		60 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>							
Maximum PV Array Power	600 W	900 W	600 W	600 W	900 W		3000 W
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	60VDC ~ 88VDC	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 88VDC		60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage	75 VDC	102 VDC	75 VDC	75 VDC	102 VDC		145 VDC
Maximum Solar Charge Current	25A	18 A	25A	25A	18 A		60 A
Maximum AC Charge Current	20 A	15 A	30 A	30 A	15 A		60 A
Maximum Charge Current	25A	18 A	30A	30A	18 A		120A
	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					120 x 295 x 468	
Net Weight (kgs)	6.8		7.0		7.4		11
<b>OPERATING ENVIRONMENT</b>							
Humidity	5% to 95% Relative Humidity(Non-condensing)						
Operating Temperature	0°C - 55°C						
Storage Temperature	-15°C - 60°C						