



- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Configurable to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/Over temperature/Short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



Utility grid



Home appliances

MPPT solar
charge controllerSolar input
set

AC input set



Auto restart



Overload protection

Short circuit
protectionSmart battery
chargerPure sine
wave

Product Data Sheet

MODEL	MKS1.5K-12	MKS3K-24	MKS3K-48
Rated Power	1500VA/1200W	3000VA/2400W	3000VA/3000W
INPUT			
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(for personal computers) 90-280VAC(for home appliances)		
Frequency Range	50Hz/60Hz(Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt.Mode)	230VAC±5%		
Surge power	3000VA	6000VA	
Efficiency(Peak)	90%-93%	93%	
Transfe Time	10ms(for personal computers) 20ms(for home appliances)		
Wave form	Pure sine Wave		
BATTERY & AC CHARGER			
Battery Voltage	12VDC	24VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	62VDC
Maximum AC charging current	20A/30A	10A/20A	15A
SOLAR CHARGER			
Maximum Solar charging Current	40A	40A	40A
Maximum PV Array Open Circuit voltage	102VDC	102VDC	102VDC
MPPT Rang @ Operating Voltage	15-80VDC	30-80VDC	55-80VDC
Standby Power Consumption	2W		
Maximum PV Array Power	500W	1000W	2000W
Maximum Efficiency	98%		
PHYSICAL			
Dimension.D*W*H(mm)	305*272*100mm		
Net Weight (kgs)	5.2kg		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0℃ to 55℃		
Storage Temperature	-15℃ to 60℃		

Product Model: MKS3K-48

Product Dimension: 30.5*27.2*10cm

Net Weight : 52kg

