



## MKSII Inverter

### Features:

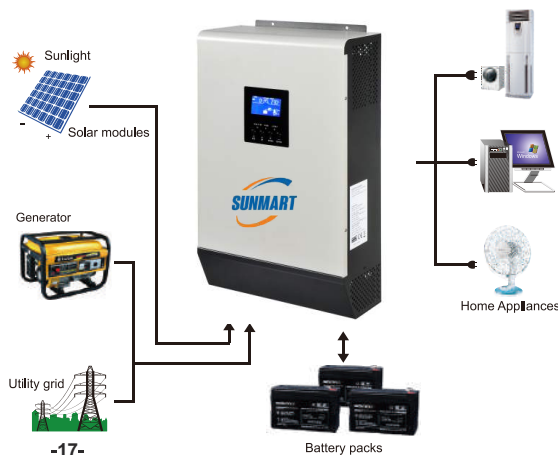
1. Pure sine wave inverter
2. Power factor =1
3. Built in 48V80A MPPT solar controller
4. Max PV input voltage 450V
5. Selectable charging current based on battery type
6. Configurable AC/Solar input priority via LCD setting
7. Compatible to mains voltage or generator power
8. Auto restart while AC is recovering
9. Overload and short circuit protection
10. Smart battery charger design for optimized battery performance
11. Cold start function
12. Parallel operation with up to 9 units
13. Support without battery working in good sun



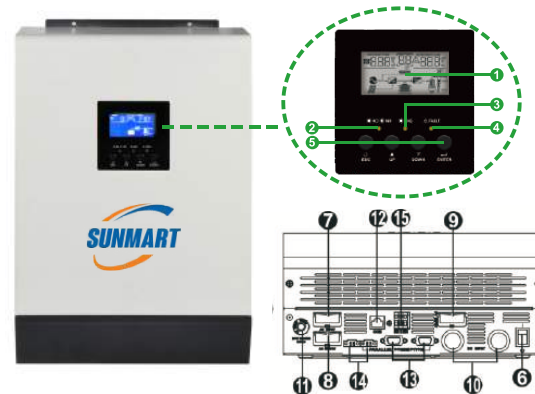
### Introduction:

This is a multi-function inverter/charger, combining functions of inverter, MPPT solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

### Solar System Connection



### LCD Display Information



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. AC input
8. AC output
9. PV input
10. Battery input
11. Circuit breaker
12. RS232 communication port
13. Parallel communication cable (only for parallel model)
14. Current sharing cable (only for parallel model)
15. Dry contact

## Selection Guide

MODEL	MKSII-5K-48
Rated Power	5000VA/5000W
<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 $\pm$ 5%
Surge Power	10000VA
Efficiency(Peak)	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY &amp; AC CHARGER</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
Maximum Charge Current	10A/20A/30A/40A/50A/60A/70A/80A/
<b>SOLAR CHARGER</b>	
Maximum PV Array Power	4500W
MPPT Range @ Operating Voltage	120V ~ 430V
Maximum PV Array Open Circuit Voltage	450V
Maximum Charging Current	80A
Maximum Efficiency	98%
Standby Power Consumption	2W
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	387x300x118
Net Weight (kgs)	10.5
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	0° C ~ 55° C
Storage Temperature	-15° C ~ 60° C
Product specifications are subject to change without further notice.	
<b>MODEL</b>	<b>MKSII -5K-48</b>
Inverter Power	5000W
Pmax. generated from solar charger	80A
Best Panel Configuration	280W *16pcs