

with MPPT solar charge

MKS IV is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank. Transformerless design provides reliable power conversion in a compact size. The new generation of MKS comes with a built-in Wi-Fi function, mobile monitoring can be carried out through mobile applications. Data can be accessed and recorded in the inverter, which is convenient for tracking the operation status of the inverter. It also supports USB on-The go function for easy rewriting of internal parameters, data downloads, and software updates.



Main Features:

- 1. Pure sine wave MPPT solar inverter.
- 2. Customizable status LED ring with RGB lights.
- 3. Touchable button with large 4.3 colored LCD .
- 4. Wide DC input range.
- 5. Supports the USB On-the-Go function.
- 6. Datalog events stored in the inverter.
- 7. Built-in Wi-Fi mobile monitoring (Android/iOS App available).
- 8. Reserved communication port for BMS.
- 9. Battery independent function.
- 10. Parallel operation with up to 9 units.

Technical Specifications:

Model	MKS IV 3600	MKS IV 5600
Rated Power	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280VAC (For Personal Computers)	
	90-280VAC (For Home Appliances)	
Frequency Range	55 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Overload capacity	5s@ ≧ 150% load; 10s@ 110%~150% load; 100ms@ ≧ 200% load	
Efficiency (Peak)	93%	
Transfer Time	10ms(For Personal Computers), 20ms(For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar charger type	MPPT	MPPT
Max. PV Array Power	5000W	6000W
MPP Range @operating Voltage	120~430VDC	
Max. PV Array Open Circuit Voltage	450VDC	
Max. Solar Charge Current	100A	120A
Max. AC Charge Current	100A	120A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 295x 468	
Net Weight (kgs)	11.0	12.0
Communication Interface	USB/RS232/RS485/WIFI/Dry-contact	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	