



Solar Off Grid Inverter



MKS 5KW-48V

Features

- Pure sine wave inverter
- Output power factor 1 (only 0.8 for 3KP/5KP models)
- 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 AC mains or generator power
- Battery equalization for optimized battery performance and lifecycle
- Parallel operation with up to 9 units





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SPECIFICATIONS

MODEL	MKS 5KW-48V
Rated Power	5000VA/5000W
Parallel Capability	up to 9 units

INPUT

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)

OUTPUT

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

BATTERY

Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC Max: 58VDC (optional 64VDC, please check with sales)
Overcharge Protection	60 VDC (optional 66VDC, please check with sales)

SOLAR CHARGER & AC CHARGER

Maximum PV Array Power	4000W
MPPT Range @ Operating Voltage	60 - 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	60 A
Maximum Charge Current	140 A

PHYSICAL

Dimension, D x W x H (mm)	120 x 295 x 468
Net Weight (kgs)	13.5

ENVIRONMENT

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

All information contained in this document is subject to change without notice.