

OFF GRID SOLAR INVERTER

MKS SERIES

Off Grid Solar Inverter

WIFI(optional)

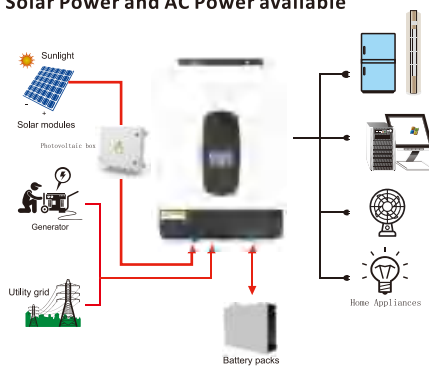


Features

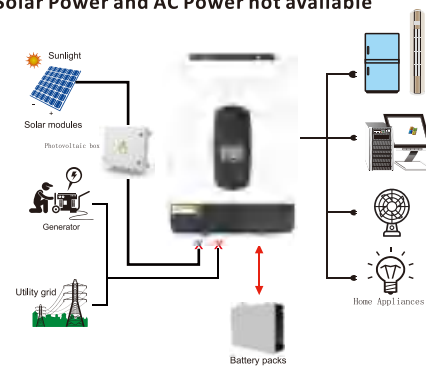
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.8KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

Solar System Connection

Operation with battery connected
Solar Power and AC Power available



Solar Power and AC Power not available



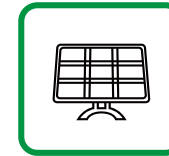
Overview



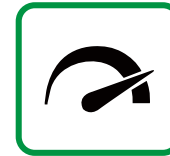
MKS-2200
MKS-3200



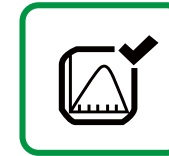
MKS-4200
MKS-7000



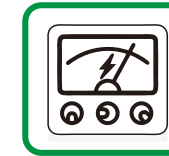
Max PV Input
2000W/3000W
5000W/6000W



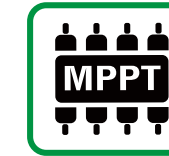
Max PV Voltage 450VDC



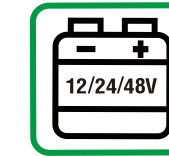
Max PV Input Current 27A
(For 3.8KW/6.2KW)



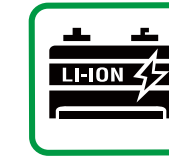
MPPT Range 55 ~ 450VDC



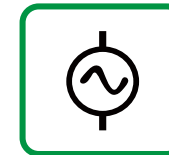
MPPT Controller



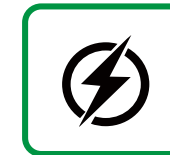
12/24/48 Volt



Works with Lithium battery



AC Output
1800W/3000W
3600W/6200W



Max Charging Current 80/110A



Monitor & Control (Optional)



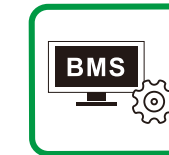
Communication Port RS232/RS485



Pure Sine Wave Inverter



Wi-Fi Option



BMS

Product Data Sheet

MODEL	MKS-2200	MKS-3200	MKS-4200-24	MKS-4200-48	MKS-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	4200VA/3800W	7000VA/6200W
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	4400VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)				
Wave form	Pure Sine Wave				
BATTERY & AC CHARGER					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum charge current	60A		80A	60A	80A
SOLAR CHARGER					
MAX.PV Array Power	2000W	3000W	6000W		
MPPT Range@ Operating Voltage	55-450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A		110A	80A	110A
Maximum Efficiency	98%				
PHYSICAL					
Dimension.D*W*H(mm)	405x286x98mm		423x290x100mm	423x290x105mm	
Net Weight (kgs)	4.5kg	5.0kg	6.8kg	6.9kg	7.5kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	-10°C to 55°C				
Storage Temperature	-15°C to 60°C				