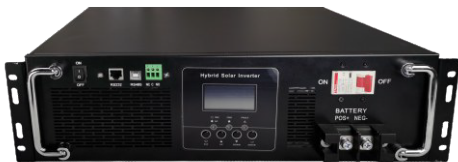


RM-5.5K 48VDC

Hybrid Solar Inverter 5.5KW PV 500Vdc 230Vac Output

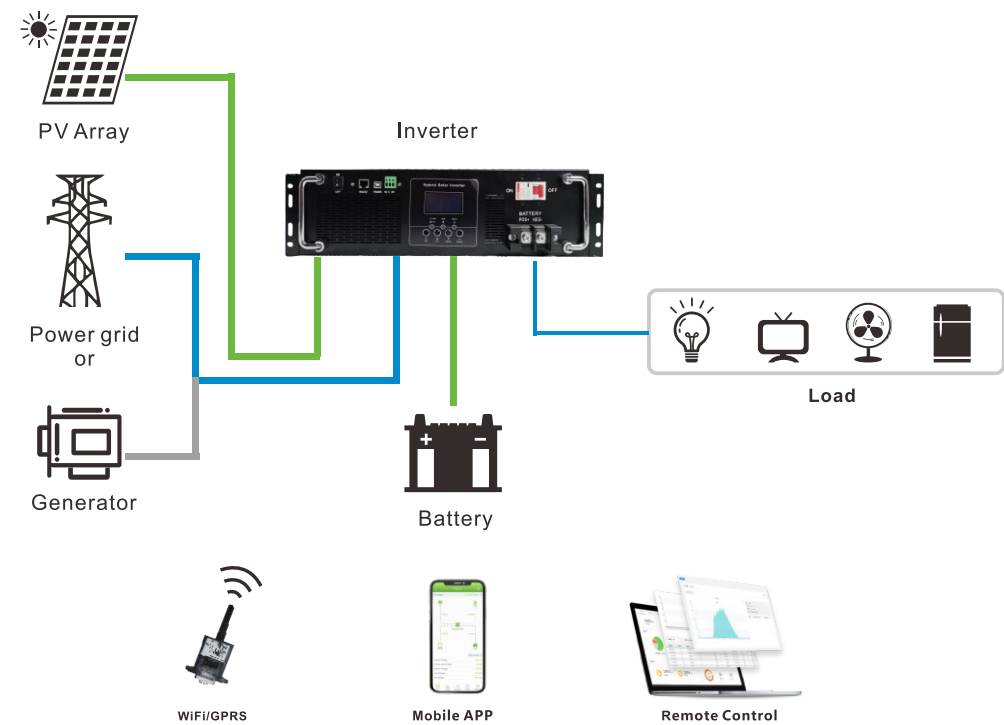


Features

- Pure sine wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional
- Compatible work with lifepo4 battery via RS485
- Parallel operation with up to 12 units, support parallel in 1phase/3phase
- Battery equalization function to optimize battery performance and extend lifecycle

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

Application Diagram



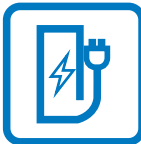
Features



Rated power
5.5KW



Battery Voltage
48VDC



MAX charging
current 100A



WIFI remote
monitoring



Multi Protection



High frequency
above 93%



Wide AC input
90-280V



Lead-acid/Lithium
Battery Optional

Technical Data

MODEL	RM-5.5K 48VDC
CAPACITY	5.5KVA/5.5KW
Parallel Capability	YES,12 Units
INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280vac(For Home Appliances)
Frequency	50/60 Hz(Auto sensing)
OUTPUT	
Nominal Voltage	220/230VAC± 5%
Surge Power	11000VA
Frequency	50/60Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)	97%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@ >=150% load; 10s@110%~150%load
Crest Factor	3:1
Admissible Power FACTOR	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	48VDC
Flating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC/CV
Solar Charger & AC Charger	
Solar Charger TYPE	MPPT
Max.PV Array Power	5500W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	120VDC~450VDC
Max.Solar Input Current	18A
Max.Solar Charge Current	100A
Max.AC Charge Current	60A
Max.Charge Current	100A
PHYSICAL	
Dimensions,D x W x H(mm)	130x438x438
Package Dimensions, D x W x H(mm)	220x520x550
Net Weight(Kg)	15
Communication Interface	USB/RS232/Dry-contact
ENVIRONMENT	
Operating Temperature Range	(-10°C to 50°C)
Storage temperature	(-15°C ~ 60°C)
Humidity	5% to 95% Relative Humidity(Non-condensing)

Product specifications are subject to change without further notice.