

# Pure Sine Wave Solar Inverter

## WirV5000 Series (3KW-5KW)



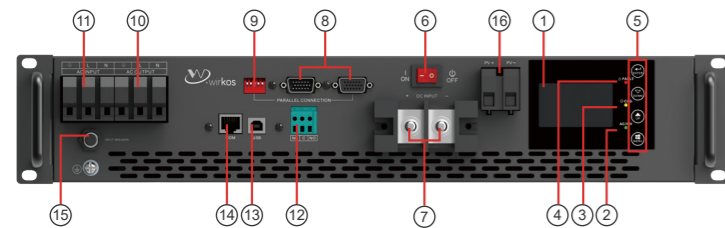
### Back panel printing description

- Pure sine wave inverter
- Configurable input voltage range for home appliances and personal computers via LCD setting
- Configurable battery charging current based on applications via LCD setting
- Configurable AC/Solar Charger priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload/ Over temperature/ short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Built-in MPPT solar charge controller 80A

### Introduction

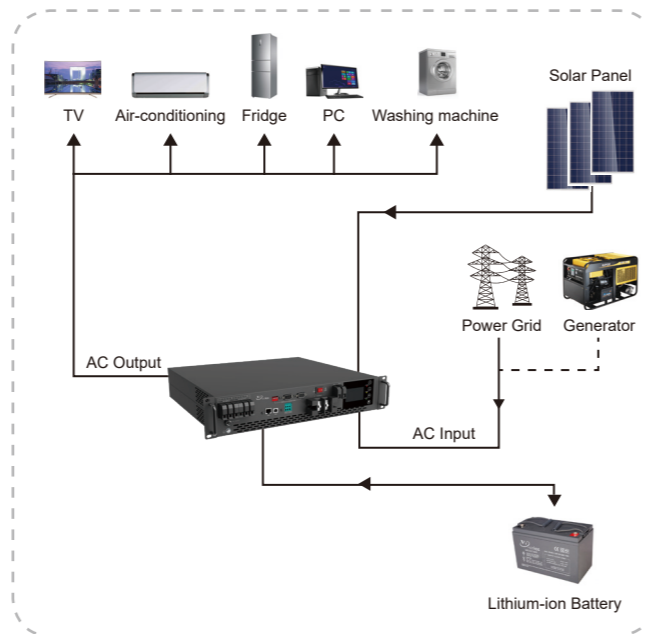
This is a multi-function inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar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

### Back panel printing description



1. LCD display
2. Status indicator
3. Charging indicator
4. Fault indicator
5. Function buttons
6. Power on/off switch
7. Battery input
8. Parallel communication port (only for parallel mode)
9. Parallel switch
- 10.AC output
- 11.AC input
- 12.Dry contact
- 13.USB
- 14.RS485 communication port
- 15.Circuit breaker
- 16.PV Input

### Solar system connection



### Specification

MODEL		WirV50-3K	WirV50-4K	WirV50-5K
Nominal Battery System Voltage		48V		
INVERTER OUTPUT	Rated Output Power	3KW	4KW	5KW
	Surge Power	6KW	8KW	10KW
	Waveform	Pure Sine Wave		
	Power factor	1		
	Output Voltage Regulation	230Vac±5%		
	Inverter Efficiency(Peak)	90%		
	Transfer Time	10ms typical (UPS / VDE4105) 20ms typical (APL)		
	AC INPUT		230VAC	
Selectable voltage range		170~280VAC (UPS) , 90~280VAC (APL) , 184~253VAC(VDE4105)		
Input Voltage Waveform		Sinusoidal (utility or generator)		
Frequency Range		50Hz / 60Hz		
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC		
	MPPT Range @ Operating Voltage	60~130VDC		
	Standby Power Consumption	2W		
	Maximum PV Array Power	4000W		
	Maximum PV Charge Current:	80A		
	Maximum Efficiency	98%		
	Maximum AC Charge Current	60A		
Maximum Charge Current(PC+AC)		80A		
MECHANICAL SPECIFICATIONS	Dimension (D*W*H), mm	400 x 468 x 86.3		
	Net Weight (kg)	10.0		
OTHER	Safety Certification	CE		
	Operating Temperature Range	-10°C to 40°C		
	Storage temperature	-15°C~ 60°C		

The technical specifications of this document are subject to change without any notice