


Low Frequency Power Inverter/Charger

WirP3000 PLUS Series (1KW-6KW)





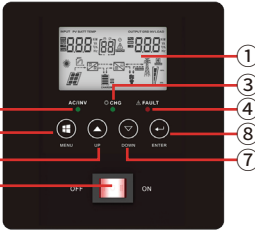
Back panel printing description

- 3 Steps charging
- MFD (multi-function display)
- Overload and short-circuit protection
- Set charging voltage/charging current.
- Battery low voltage shutdown point can be set to 10/10.5/11V
- Power-save mode
- Set utility priority/ Battery priority
- Set utility input wide/narrow range
- Inverter voltage can be set to 220V:220V/230V/240V
- Inverter frequency can be set to 50/60Hz
- Set utility charging on/off switch

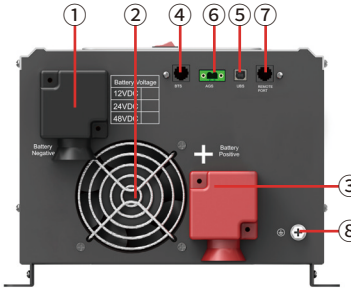
Introduction

WirP3000 PLUS series is a very economical pure sine wave inverter, with AC charger from 20A to 60A; Solar/AC priority is configurable, when setting solar priority, solar will charge batteries as first priority, and AC can also charge batteries when solar charger current is too lower . With pure copper transformer, it enables inverter to operate with all kinds of home appliances.

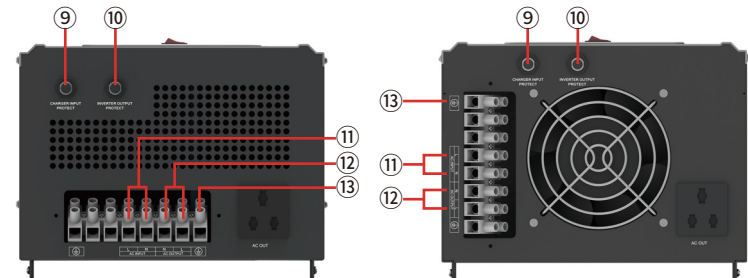
Back panel printing description



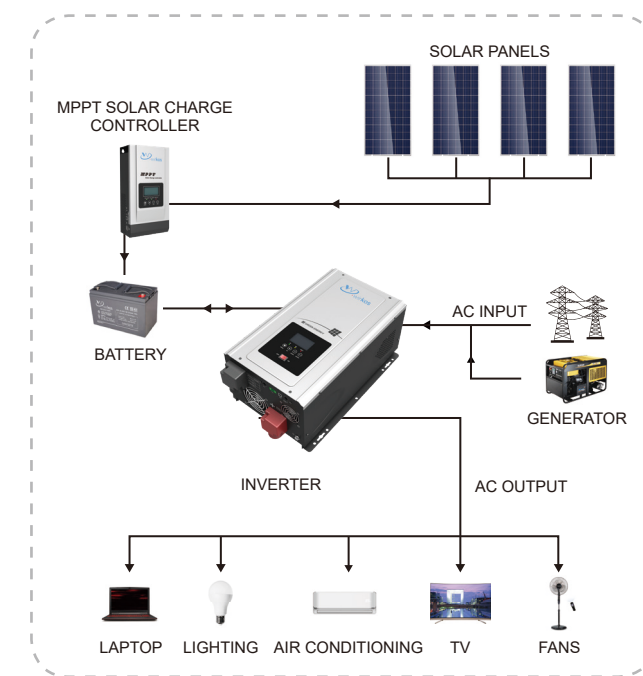
1. LCD display
2. AC LED
3. INV LED
4. FAULT
5. MENU
6. UP
7. DOWN
8. ENTER
9. Switch ON/OFF



1. BAT-
2. FAN
3. BAT+
4. BTS
5. USB
6. AGS
7. Remote port
8. GND
9. Inverter output protect
10. Charger input protect
11. AC output
12. AC input
13. GND



Solar system connection



Specification

MODEL	WirP30-1012 PLUS	WirP30-2024 PLUS	WirP30-1512 PLUS	WirP30-1524 PLUS	WirP30-2012 PLUS	WirP30-2024 PLUS	WirP30-3024 PLUS	WirP30-3048 PLUS	WirP30-4024 PLUS	WirP30-4048 PLUS	WirP30-5048 PLUS	WirP30-6048 PLUS	
Nominal Battery System Voltage	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	24VDC	48VDC	24VDC	48VDC	48VDC	48VDC	
Rated Power	1KW		1.5KW		2KW		3KW		4KW		5KW	6KW	
Surge Rating	3000VA		4500VA		6000VA		9000VA		12000VA		15000VA	18000VA	
Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP				3HP		
Waveform	Pure sine wave / same as input (bypass mode)												
Nominal Output Voltage RMS	220V / 230V / 240VAC ±10% (RMS)												
Output Frequency	50Hz / 60Hz ±0.3Hz												
Inverter Efficiency (Peak)	>88%												
Line Mode Efficiency	>95%												
Power Factor	1.0												
Typical Transfer Time	10ms(max)												
AC INPUT	230VAC												
Selectable Voltage Range	96~132VAC 155~280VAC(For personal computers)												
Frequency Range	50Hz / 60Hz(Auto sensing) 40~80Hz												
BATTERY													
Minimum Start Voltage	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)												
Low Battery Alarm	(10V / 10.5V / 11V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)												
Low Battery Cut Off	10V / 10.5V / 11V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)												
High Voltage Alarm	(13.8-14.5V)+1V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)												
High Battery Voltage Recover	(13.8-14.5V)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC)												
Idle Consumption-Search Mode	Load ≤100±20W(220V)												
CHARGER													
Output Voltage	Depends on battery type												
Charge AC Input Breaker Rating	230V	1-1.5K/10A				2-3K/30A				4-6K/40A			
Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC mode, *4 for 48VDC mode)												
Maximum Charge Current	30A	20A	45A	25A	60A	30A	40A	20A	60A	30A	35A	40A	
BYPASS & PROTECTION													
Input Voltage Waveform	Sine wave (grid or generator)												
Nominal Input Frequency	50Hz or 60Hz												
Overload Protection (SMPS Load)	Circuit breaker												
Output Short Circuit Protection	Circuit breaker												
Bypass Breaker Rating	230V	1-3K/30A				4-6K/40A							
Max Bypass Current	30A												
MECHANICAL SPECIFICATIONS													
Mounting	Wall Mount												
Dimensions (W*H*D) (mm)	423*247*197						597*247*197						
Net Weight (Solar CHG)(kg)	16.5	17	21.1	20	24.5	24.8	38.2	35.8	45	45			
Shipping Dimensions (W*H*D) (mm)	585*387*322						758*387*322						
Shipping Weight (Solar CHG)(kg)	19.3	20	24.1	22.8	27.5	27.5	42.3	40	49.3	49.3			
OTHER													
Operation Temperature Range	0°C to 40°C												
Storage Temperature	-15°C to 60°C												
Audible Noise	60dB MAX												
Display	LED+LCD												
Standard Warranty	1 year, 2 or 3 years optional (IP20)												

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