

## Introduction

In DC/AC inversion mode, users can set this series of [inverters](#) to normal working mode or sleep mode. In utility mode, it has Auto Voltage Regulation (AVR) function, utility charging function (AC first model) and UPS function. This multifunctional [low frequency pure sine wave inverter](#) has the advantages of stable quality, strong load-carrying ability and long service life. It also can work in poor environment. It is the second generation of our low frequency pure sine wave inverter I-P-XD-series.

## Features

- 1) Easy to install. To configure a solar system, users just need to connect it with solar panels and batteries.
- 2) CPU management, intelligent control, modular design
- 3) LED/LCD display. LCD can display various parameters (such as the output voltage, frequency, working mode)
- 4) Multifunction design, [AVR UPS function](#). Users don't need to buy solar, controller, AC charger or stabilizer.
- 5) External battery connection, it's convenient for users to expand use time and back-up power time
- 6) With super load-carrying ability and high load capacity, this series of inverters can not only drive resistance load; but also various kinds of inductive loads such as motor, air conditioner, electric drills, fluorescent lamp, gas lamp. It can drive almost any kinds of load
- 7) Low frequency [pure sine wave](#) circuit design, stable quality, easy to maintenance, low failure rate and long service life (under proper operation, it can last at least 5 years)
- 8) Perfect protection: low voltage protection, high voltage protection, over temperature protection, short-circuit protection, overload protection
- 9) CE / EMC / LVD / RoHS / FCC approvals
- 10) 2 years warranty, life-long technical support

## Parameter

Mode		1500VA
Rated Output Capacity		1000W
Peak Power		2000W
Battery Voltage(DC)		24V
PWM Solar Controller	Voltage	24V
	Current	20A
	PV Max Input Voltage	24V System □50V
Size W×D×H(mm)		335*165*375
Packing Size W×D×H(mm)		355*185*395

Net Weight (kg)		14
Gross Weight (kg)		16
<b>General Parameter</b>		
Working Mode (Setting)	1	Utility first (AC first) battery standby mode
	2	Sleep Mode,no utility,load's power is over 5% of rated output power, Inverter start to work automatically
	3	Battery first (DC first)utility standby mode
AC Input	Voltage	220V±35% or 110V+35%□Optional□
	Frequency	50Hz±3% or 60Hz±3% □Optional□
AC Output	Voltage	220V±3% or 230V±3 or240V±3% or 100V±3% or 110V±3% (Optional)
	Frequency	50Hz±0.5 or 60Hz±0.5 (Optional)
Utility charge	AC Charge Current	0~15A
	Charge Time	Depend on battery capacity and quantity
	Battery Protection	Automatic detection, Charge and discharge protection□Intelligent Management
PV Charge		Total Current of PV Input Should Be Less Than Rated Current of PWM solar controller
Display	Display Mode	LCD+LED
	Display Information	Input voltage□output voltage□output frequency□battery capacity□Load condition□Status Information
Output Wave Type		Pure sine wave output,Total Harmonic Distortion THD≤3
Overload Ability		□120% 1 min□□130% 10s
Power Consumption	Sleep Mode	1~6W
	Normal Mode	1~3A
Conversion Efficiency		80%~90%