

## 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) LEDs 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 superload-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		1000VA
Rated Output Capacity		700W
Peak Power		1500W
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)		12
Gross Weight (kg)		13
General Parameter		

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 or 240V±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]