

## 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  [pure sine wave](#) output, full power
- 2  CPU control, intelligent control, modular design
- 3  LCD display various parameters
- 4  Multifunction design (AVR, UPS), extra charger is not needed and electric appliances can be protected.
- 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 cannot only drive resistance load; but also various kinds of inductive loads, such as motor, air conditioner, electric drills, fluorescent lamp, gas lamp.
- 7  Low frequency circuit design, stable quality, 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, alarm alert
- 9  CE / EMC / LVD / RoHS Approvals
- 10  Two years warranty, life-long technical support

## Parameter

Model	500VA	
Parameter		
Rated Output Capacity	350W	
Peak Power	700W	
Battery Voltage(DC)	12V/24V(optional)	
Size W×D×H(mm)	335*165*375	
Packing Size W×D×H(mm)	355*185*395	
Net Weight (kg)	7	
Gross Weight (kg)	8	
General Parameter		
Working Mode	1	Utility first (AC first) battery standby mode
<input type="checkbox"/> Setting	2	Sleep Mode, no utility, load's power higher than 5% of inverter rated output power, it will start to work automatically
	3	Battery first (DC first) utility standby UPS 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)
Battery charge	AC Charge Current	0~15A
	Charge Time	Depend on battery capacity and quantity
	Battery Protection	Automatic detection, Charge and discharge protection [Intelligent Management]
Display	Display Mode	LCD
	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%
Transfer Time		[5ms [AC to DC / DC to AC]
Protection		Overload ,Short-circuit,High input voltage,Low input voltage,Overheat
Environment	Temperature	-10℃ [50℃
	Humidity	10% [90%
	Altitude	≤4000m