## Introduction

In DC/AC inversionmode, users can set this series of inverters to normal working mode or sleepmode. In utility mode, it has Auto Voltage Regulation (AVR) function, utilitycharging function (AC first model) and UPS function. This multifunctional lowfrequency pure sine wave inverter has the advantages of stable quality, strongload-carrying ability and long service life. It also can work in poorenvironment. It is the second generation of our low frequency pure sine waveinverter I-P-XD-series.

## Features

1) Easy toinstall. To configure a solar system, users just need to connect it with solarpanels and batteries.

2)CPUmanagement,Intelligent control,modular design

3)LEDsLCD display. LCD can display various parameters(such as the output voltage, frequency,working mode)

4)Multifunctiondesign, AVR UPS function. Users don't need to buy solar, controller, AC chargeror stabilizer.

5) External battery connection, it'sconvenient for users to expand use time and back-up power time

6)Withsuper 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 ofload

7)Lowfrequency pure sine wave circuit design, stable quality, easy to maintenance, lowfailure rate and long service life (underproper operation, it can last atleast 5 years)

8) Perfectprotection: 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 technicalsupport

## 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 |
| 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 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% |