

China inverter low frequency pure sine wave for off grid system 5KW  
Detailed pictures



DC-



DC INPUT		
12V	24V	48V
	✓	

DC+



Remote Port



RS-485 (TIA/EIA-485-A)  
-PP130A1201+0001502-



AC OUTPUT



MAX 5A

AC INPUT AC OUTPUT



L N E L N E

Inverter  
Output Protect



Charger  
Input Protect





#### Key Features

1. Surge power of the inverter upto 3 times
2. Output Frequency: 50HZ or 60 HZ adjustable by users
3. Work Modes: DC first / AC first adjustable by users
4. Low power consumption under sleep mode, 1-6w
5. Three charge stage to battery: CC, CV, CF

To get specification, please download here: <http://www.solarcontroller-inverter.com/download/7.htm>

#### Function

- 1.DC/AC Conversion Function



## 2. High-power intelligent charging function

1□ It Can charge 8 kinds of batteries (detail please check parameter)

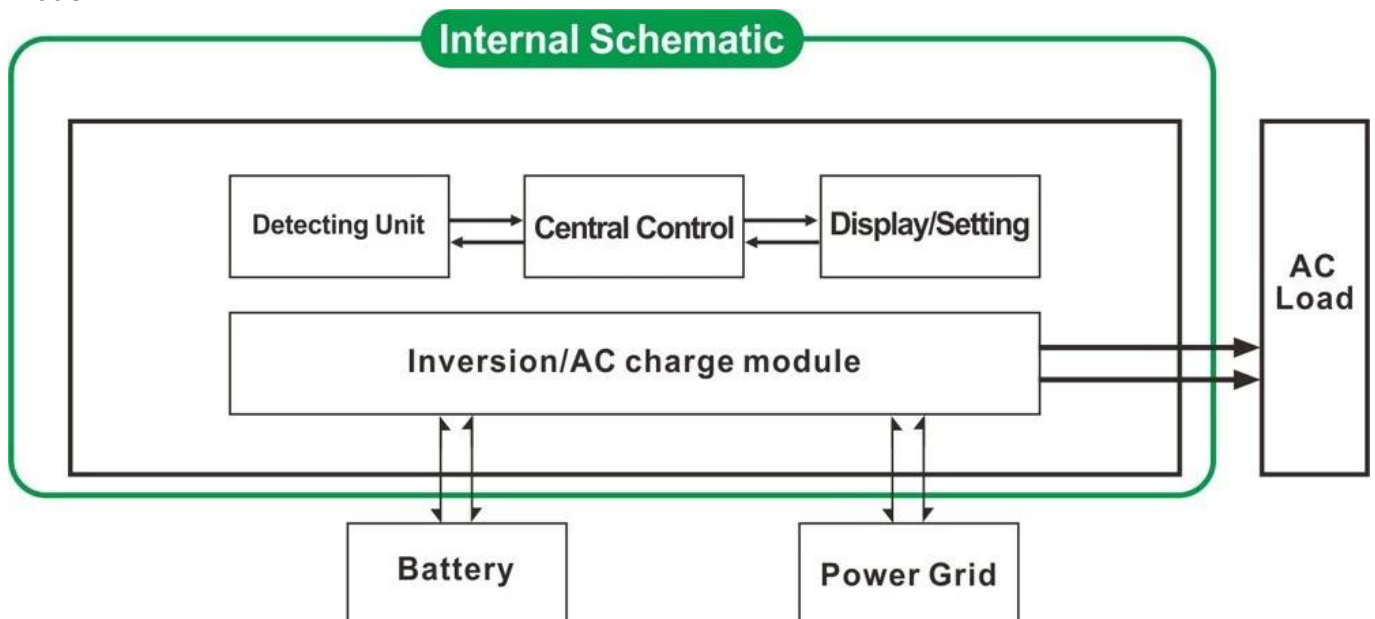
2□ High charging power (detail please check parameter)

3□ Three-stage charging mode: Constant current charging stage (CC), Constant voltage charging stage (CV), Float charging stage (CF)



## 3. UPS function

It can be set as utility first (AC first) battery standby mode or battery first (DC first) utility standby mode.



3.1. Utility first, battery standby UPS mode (on the panel turn the button to "AC")

3.2. Battery first, utility standby UPS mode (on the panel turn the button to "DC").

## Features

1. Pure sine wave output

2. CPU management, intelligent control□modular design
3. LCD and LED display can show the parameters and inverter working status.
4. Users can set it in sleep mode or normal working mode and set output priority (AC first or DC first). The output frequency (50Hz or 60Hz) can be chosen.
5. High conversion efficiency (87%-98%), low power consumption (1W~6W under sleep mode). It is the best choice of inverters for solar power system
6. The inverter can charge 8 kinds of batteries such as sealed lead acid battery, open lead-acid battery, gel battery. Kindly note: The lithium battery can be charged also, the related parameters need to be set in factory.
7. High charging power and the charging function can be closed
8. This series of inverters have strong load-carrying ability and overload capacity. The peak power is 3 times of the rated output power. For example, 1KW model can drive 1HP air conditioner, 2KW model can drive 2HP air conditioner, 3KW can drive 3HP conditioner.
9. Adopting the latest American low frequency circuit design, brand new imported electric materials, pure copper transformer, the system is very stable long service life(more than 5 years under normal use)
10. Perfect protection (low input voltage protection, high input voltage protection, over temperature protection, short-circuit protection, overload protection)
11. EMC□LVD□RoHS certification approvals
12. 2-year warranty and life-time technical assistance.

#### Specification

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#### Certificates

ISO2008 <http://www.solarcontroller-inverter.com/about-us/FCC-CERTIFICATION.html>

ISO2004

CE-EMC <http://www.solarcontroller-inverter.com/download/6.htm>

CE-LVD

FCC

RoHS

#### Service and contact

1. OEM and ODM orders are provided.  
<http://www.solarcontroller-inverter.com/about-us/mppt-controller-factory.html>
2. Power solution consult available based on technical group
3. 24 months warranty; lifelong time extended technical service.
4. Any of your questions will be guided by professional technical team.
5. Free technical study and discussion on products are provided every year.

One of our other Key product: I-P-Smart2 MPPT charge controller.