12V 24V 48V 1KW TPI2 series Inverter Charger UPS China

Detailed pictures







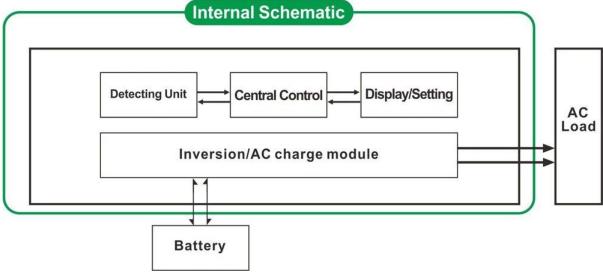
Key Features

- 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 consumtion under sleep mode, 1-6w
- 5. Three charge stage to battery: CC, CV, CF

To get specification, please <u>download here</u>

Function

1.DC/AC Conversion Function



2. High-power intelligent charging function

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

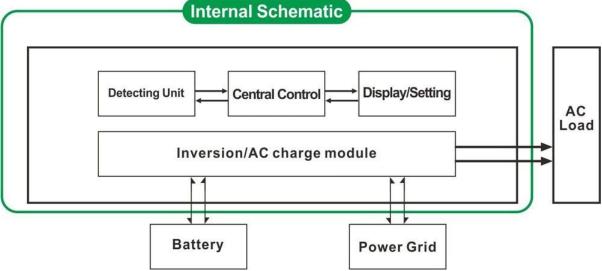
2∏High charging power (detail please check parameter)

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 ($1W\sim6W$ 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

Parameter Model		1000W	2000W	3000W	4000W	5000W	6000W	
Rated Output Power		1000W	2000W	3000W	4000W	5000W	6000W	
Peak Power							18000W	
Battery Voltage(DC)								
Size W×D×H(mm)			318*218*368 440*218*400					
Packing Size W×D×H(mm)		395*275*520			520*275*520			
Net Weight (kg)			28	30	39	40	51	
Gross Weight (kg)			30	32	43	48	53	
ON		Normal working mode						
S-ON		Sleep Mode.1-6W consumption When load's power higher than 5% rated output power, it will start to work automatically						
OFF		Completely off						
AC Input Voltage		220V±35% or 110V+35%(optional)						
Frequen	су							
Voltage		or 110V±3%(optional)						
Frequency		Frequency is the same as utility's frequency in utility mode. Frequency 50Hz or 60Hz(optional) in DC/AC convert mode						
AC	BAT	1000W	2000W	3000W	4000W	5000W	6000W	
Charge	12V	35A	65A	75A	/	/	/	
Current	24V	20A	35A	45A	65A	70A	75A	
(Max)	48V	10A	15A	30A	35A	40A	50A	
Battery Type		American Gel Battery, Wool Battery 1, Wool Battery2, Sealed Lead Acid Battery, Europe Gel Battery, Open Lead Acid batteries, Calcium Battery, De-Acid Battery or OEM Battery						
Charging Mode		Three-stage charging CC, CV, CF						
Charging Time								
Battery Protection		Automatic detection charge and discharge protection, intelligent management						
AC		Utility first, battery standby						
DC		Battery first, utility standby						
Display Mode		LCD+LED						
Display Information		Input voltage Output voltage Output frequency battery capacity Load condition Status Information						
Output Wave Type			Pure sine wave					
Overload Ability			□120% 1 min□□130% 10s					
Power Consumption Sleep Mode Normal Mode		1~6W						
		1~3A						
Conversion Efficiency			87%~98%					
Transfer Time			[]5ms []AC to DC / DC to AC[]					
Protection			low-voltage input□overheats					
Temperature Environment Humidity Altitude		-10°C <u> </u> 50°C						
		10%∏90% ≤4000m						
	ON S-ON OFF Voltage Frequent Voltage Frequent AC Charge Current (Max) Battery Charging Battery I AC DC Display I Display I	ON S-ON OFF Voltage Frequency Voltage Frequency AC BAT Charge 12V Current 24V (Max) 48V Battery Type Charging Mode Charging Time Battery Protection AC DC Display Mode Display Information Sleep Mode Normal Mode Temperature Humidity	1000W 3000W 12V or 24 318*218* 395*275* 27 29 ON Normal w S-ON Sleep Mod Voltage 220V±35 Frequency 50HZ or 6 Voltage 720V±3% or 110V± Frequency 720W Frequency 720W Frequency 720W Charge	1000W 2000W 3000W 6000W 12V or 24V or 48V(op 318*218*368 395*275*520 27 28 29 30 30 30 30 30 30 30 3	1000W 2000W 3000W 3000W 6000W 9000W 12V or 24V or 48V(optional) 318*218*368 27 28 30 29 30 32 ON Normal working mode Sleep Mode.1-6W consumption W rated output power, it will start to OFF Completely off Voltage 220V±35% or 110V+35%(optional) Frequency 50HZ or 60HZ Voltage or 110V±3%(optional) Frequency is the same as utility's mode. DC/AC convert mode AC BAT 1000W 2000W 3000W Charge 12V 35A 65A 75A Current 24V 20A 35A 45A (Max) 48V 10A 15A 30A American Gel Battery, Wool Batter Charging Mode Three-stage charging □CC, CV, CF Charging Time Decided by battery capacity and Battery Protection Automatic detection □charge and management AC Utility first, battery standby DC Battery first, utility standby LCD+LED Display Information Utility status Information Pure sine wave □120% 1 min □130% 10s Sleep Mode 1~6W Normal Mode 1~3A 87%~98% □5ms □AC to DC / DC to AC□ Overload output □short-circuit □hig low-voltage input □overheats Temperature Humidity 10%□90%	1000W 2000W 3000W 4000W 3000W 6000W 9000W 12000W 12V or 24V or 48V(optional) 24V or 48 318*218*368 440*218* 440*218* 45218*368 27 28 30 39 29 30 32 43 30 39 29 30 32 43 30 39 29 30 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 39 32 43 30 30 32 43 30 30 32 43 30 30 32 43 30 30 32 34 30 30 32 34 30 30 32 34 30 30 30 30 30 30 30	1000W 2000W 3000W 4000W 5000W 3000W 6000W 9000W 12000W 15000W 120 vor 48V(optional) 24V or 48V(optional) 318*218*368 440*218*400 318*218*368 440*218*400 395*275*520 520*275*520 27 28 30 39 40 29 30 32 43 48 48 48 48 48 48 48 4	

Certificates

ISO2008

<u>ISO2004</u>

CE-EMC

CE-LVD

<u>FCC</u>

<u>RoHS</u>

Service and contact

- 1. OEM and ODM orders are provided.
- 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: <u>I-P-Smart2 MPPT charge controller.</u>