Specification 5.1 Electrical Performance Input

Items		Parameters		
		Inverter mode	UPS mode	
	Input voltage	220	VAC	
Rating	Input frequency	50Hz		
	Input phase	Single phase		
Input voltage range		120~300VAC	145~285VAC	
Input Frequency range		38~	70HZ	

Output					
Model Items Parameter		600VA	800VA	1000VA	1500VA
Output Utility mode		UPS: 190V~260V / INV: 160V~260V			
voltage		0, 0.		±10%	2001
Output	Utility mode		Same as		
frequency				±1HZ	
	Utility mode		Tracking		
Wave	Battery mode			wave	
PF	of output		0.	8	
Out	out Power	600VA/480W	800VA/640W	1000VA/800W	1500VA/1200W
Pr	otection	Overl	oad / short c	ircuit / over	heat
Overload capability		2) over los shutdown, a after 30 sec inverter stil fault mode 3) over los shut down automatica 3times, if the will enter th 4) overlos closure of tif the inverte the fault model.	ie fault mode ad (≥130%), the output. A er still overloa ode, next res	%),3 minute n,then restart natic restart is einverter with by people. 3%), 30 sec ut down,th conds. Auto ill overload , next restar the inverter utomatic read, the inverter d,the inverter d, the inverter d.	the inverter automatically 3times, if the inverter ten restart the inverter to the inverter than the inverter than the inverter that the inverter than the inverter
		2) over load down, after after 30 sec inverter stifault mode 3) overload closure of tif the inverter.	ode: to normal op d (100~110% shout down ,t conds. Autom ll overload ,t , next restart d (≥110%),t the output. A er still overloa ode, next res),10 sec the inen restart a restart he inverter who by people. The inverter utomatic resad, the inverter ad, the inverter	nverter shut utomatically 3times, if the vill enter the immediate start 3times, er will enter

Noise	≤55dB(1m)
Insulation resistance	> 2M Ω (500Vdc)
Insulation strength	2820Vdc

Battery

sutter y					
Model Specs	600VA	800VA	1000VA	1500VA	
Rating battery voltage	12V		24V		
Charge voltage	13.8V	±0.3V	27.6V	±0.6V	
Charge current		10A/20A	optional		
External interface RED with cabinet (Battery BLACK (Battery cathode control of the control of th		(Battery Ano	de)、		

5.2 Dimension

Model Specs	600VA	800VA	1000VA	1500VA
Machine Size L x W x H(mm)	260x256x166		300x2	56x166
Packing Size L x W x H(mm)	370x345x255		410x34	45x255
N.W (KG)	10.7	11.3	13.9	17.6
G.W (KG)	11.8	12.3	15.0	18.7

5.3 Using environment

Operation temperature	0°C-40°C	
Storage temperature		
Relative humidity	20%-95% (Non-condensing)	
Altitude <pre><1000m,if over 1500m,refer to GB7260.3-2003 4. Lower Rating</pre>		
Cooling	Wind	

6. Packing list

IPS	1 pc
User manual	1 pc
Spare fuse	1 pc

Digital Home Inverter



600VA~1500VA USER'S MANUAL

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5. 5.1 5.2 5.3	Specification5Electrical performance5Dimension6Using Environment6
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Note:

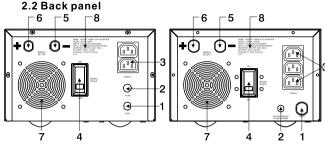
Please check the notes and follow up carefully, otherwise there is possibly harm to people and equipment. Please keep the user manual for further reference.

- Please make sure to connect the positive and negative poles of the battery correctly.
- Please do not make the positive and negative poles of the battery short circuited.
- Please use the Inverter indoors and keep it away from humidity, direct light, hot objects and electrified objects.
- Please keep the inverter 10cm away from other objects in four directions and keep good ventilation.
- Please do not put any articles on the inverter.
- Please do not pour any liquid or sundries into the Inverter.
- Please let the inverter work in Inverter mode when there is computer load to prevent restart of computer.
- It is not suggested to use the Inverter in the lift support system as its failure will do harm to the security and effectiveness of such equipment.

ALARM!!!

- The Inverter must be grounded. Please make the inverter grounded reliably when connect AC mains.
- The internal voltage of the inverter is dangerous potentially.
 Please do not open the cabinet. The maintenance must be handled by qualified technicians certified by the manufacturers.
- There is high voltage danger between the battery terminals and the ground as the battery circuit and input circuit are not insulated. Please check if there is any voltage before do any maintenance.
- There is circuit connection between Inverter internal parts and the battery even if the Inverter input power supply is disconnected. So there is potential danger. Please make sure to disconnect the battery before do any maintenance and repair job.

6	Battery low indication LED is on, which means battery is low.		
7	Trouble/ overload/ overheat/ low battery indication LED light	LED is on ,which means inverter does not work normally, telling the states of inverter is Trouble/ overload/overheat/ low battery according to the audible alarm	Beep 2 times every 1 second means low battery; beep 4 times every 2 seconds means overload, beep 3 times every 1 second means inverter is overheat, keeping beep means ups has trouble ,for example, output short circuit, inverter trouble, hardware trouble.
8	switch button for ups and inverter option	Choose to work in UPS or inverter mode	Choose UPS mode for pc load to prevent from pc restart when utility off
9	charging current option switch button	charging current is set according to battery capacity	Charging current setup according to manufacturer parameter



Explanation:

- 1--- utility input power cable
- 2--- utility input fuse
- 3--- output socket
- 4--- battery switch(work statues is switch on)
- 5--- battery negative pole line(black)
- 6--- battery positive pole line(red)
- 7--- fan(work automatically when temperature with in equipment is over 50°C)
- 8--- label

3. Installation and operation

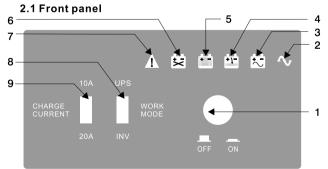
3.1 Unpack

-3

1. Introduction

SOHO series inverters are intelligent one phase in/one phase out sine wave output inverter power supplies. It is specially designed to meet the requirements of those family and office environment with unstable utility, frequent power down. It features CPU intelligent control, wide input voltage range, fast battery charge speed, good appearance and high reliability, etc. It is widely used with appliance and office equipment such as TV set, DVD player, electric driller, refrigerator, recorder, water machine, fan, lighting, computer, switchboard, servers, etc. The capacity range is from 600VA to 1.500VA.

2. Parts names and functions



Description:

N	lo	Function	Description	Remark
	1	inverter is power on when switch button is "on", inverter is off when switch button is "off"		Battery mode works when switch button is "on" and battery is in normal condition
	2	utility indication LED is on, which means input is LED light normal, load is powered by utility		
	3	inverter indication LED is on, which means load is powered by battery through inverter		LED light is on, beep once every 10 seconds, beep is stopped after 3 minutes
Γ.	4	battery charge indication LED light	LED is on, which means system is charging battery	
	5	battery charging full LED is on, which means battery indication LED light charging is finished		

When open the pack, please check the appearances of packing and inverter, If there are damage, please inform reseller immediately and keep packing for future delivery.

3.2 location

The inverter should be put on flat ground where is dry without direct light and corrosive air. Pease keep at least 10cm distance from the inverter to other articles in 4 sides to achiever good thermal dissipation. Please do not put anything on the inverter.

3.3 Wiring

- (1). Connect battery with inverter input terminals correctly; Positive line(red) should be connected with battery positive pole, battery negative line(black) should be connected with battery negative pole, Please note battery voltage should match with the unit's rate voltage.
 - (2). Switch off the battery.
 - (3). Put the inverter input plug into the utility socket.
- (4). Put load power cable plug into the inverter output socket. Please note the total load capacity must be less than unit's rate capacity.

3.4 Switch on

When all cable connections are confirmed correct, please press the power button, unit could work. When utility is normal, utility indication LED light and battery charging indication LED light are ON; When utility is abnormal, utility is off(utility input plug is not in place), then inverter indication LED light is ON.

3.5 Switch off

- 1). Switch off all loads
- 2). Power button on front panel is off
- 3). Plug off utility socket
- 4). Battery switch is off

4. Audible Alarm Instruction

taaibio, tiai iii alaatio ii			
Sounds	Indication		
Once/10sec, auto-eliminated after 3 minutes.	Battery mode		
Twice/1sec	Low battery		
Continually 4 times/2sec	Output overload		
Continually sounds/2sec	UPS On		
3 times/1sec	Inverter over temperature		
Continually Ringing	Output short circuit//Inverter damaged, abnormal/hardware failure, etc.		