5. Specification 5.1 Electrical Performance Input

Items		Parameters	
		Inverter mode	UPS mode
	Input voltage	220\	/AC
Rating	Input frequency	50Hz	
	Input phase	Single phase	
Input voltage range		120~300VAC	145~285VAC
Input Frequency range		38~7	0HZ

Output

tems	Parame e	600VA	800VA	1000VA	1500VA
Output		UPS:	190V~260	V / INV: 16	0V~260V
voltage Battery mode		0.0.		/±10%	2001
Output	-	Same as Utility			
frequency	, ,			±1HZ	
	Utility mode			Utility	
Wave	Battery mode			wave	
PF	of output		0.	8	-
Out	put Power	600VA/480W1	800VA/640W	1000VA/800W	1500VA/1200W
P	rotection			ircuit / over	
Overload capability		2) over load shutdown,afte stafter 30 sectionerter still fault mode, r 3) over load shut down, at the stafter 30 sectionerter still will enterthe will enterthe 4) overload closure of the after 30 sectiff the inverter the fault mode. Stafter 30 sectioner stafter stafter 30 sectioner stafter s	I (100-120% ershoutdown, inds. Automa overload, the text restart b I (120~130% after shou after shou after shou inverter still fault mode, index restart be output. their odde, next restate to normal of (100~110%), nout down, the destart be output. their object. In out down, the still overload, the start be output. their object. In out down, the ends. Automa overload, the ends. Automa overload, the start be output. the ends. Automa still overload de, next restate the start be output. The still overload de, next restate the start be output. The ends. Automa still overload de, next restate the start be output. The still overload de, next restate the start be output. The still overload de, next restate the start be output. The still overload de, next restate the start be still overload de, next restate the start be start be still overload de, next restate the start be start b),30 sec the t down, ther onds. Automa overload, the next restart by lee inverter in restart automatic restart 31, the inverter art by people operation, whe processed to sect the inventer automatic restart 31 in restart automatic restart 31 in restart automatic restart 31 in restar	e inverter comatically mes, if the enter the inverter n restart tic restart e inverter y people. In the inverter system will enter the mediate matically imes, will enter the mediate omatically mes, if the enter the mediate omatically mill enter will enter the mediate omatically mill enter the mediate omatically mill enter the mediate of the mediate

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

Battery

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			
Externalinterface	RED with cab BLACK (Batt		(Battery Anocathode cable	de)、

5.2 Dimension

Model Item Specs	600VA	800VA	1000VA	1500VA
Machine Size L x W x H(mm)	272x285X165		313x295X189	
Packing Size L x W x H(mm)	380x375X255		420x3	84X275
N.W (KG)	11.4	13.4	15. 0	18.6
G.W (KG)	12.7	14.7	16. 5	20.1

5.3 Operating environment

Operation temperature	0°C-40°C
Storage temperature -25°C-55°C	
Relative humidity 20%-95% (Non-condensing)	
Altitude	<1000m,ifover1000m,referto IEC62040 Lower Rating
Cooling	Wind

6. Packing list

IPS	1 pc
User manual	1 pc
Spare fuse	1 pc

Digital Home Inverter

600 VA~ 1500 VA User Manual

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Notes:

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 UPS mode when there is computer load, but some kind pc may not be protected from restart when utility off.
- The charging current depends on battery capacity, temperature and so on. For details please refer to the use manual of battery manufactory
- It is not suggested to use the inverter in the life 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.

-1-

o **Explanation:**

1--- utility input power cable

Battery low indication

low battery indication LED light

switch button for ups and inverter option

2.2 Back panel

switch button

6 **⊏**5

ø

Trouble/

overload/ overheat/

7

2--- utility input fuse

3--- output socket (the socket type is optional, subject to the actual machine)

•

4--- battery switch(work statues is switch on)

5--- battery negative pole line(black) 6--- battery positive pole line(red)

8--- label

Installation and operation 3.1 Unpack

-3

LED is on, which means battery is low.

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

Choose to work in UPS

according to battery capacity

or inverter mode

charging current option charging current is set

⊢8

Beep 2 times every 1 second means low battery; beep 4

times every 2 seconds means

overload, beep 3 times every

second means inverter is

overheat, keeping beep means ups has trouble ,for example,

output short circuit, inverter trouble, hardware trouble. When choosing UPS mode, typical transfer time is 10ms,

all is less than 15ms, some kind

pc load may not be protected from restart when utility off.

Charging current setup according to manufacturer parameter

(A)

IEC SOCKET

CHINESE STANDARD

UNIVERSAL SOCKET GERMANY

STANDARD

SOCKET

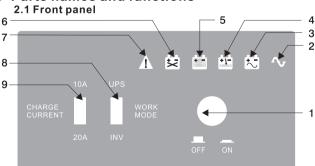
SOCKET

OUTPUT SOCKET TYPE

1. Introduction

SOHO series inverters are intelligent one phase in/one phase out sinewave 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, switchboard, servers, etc. The capacity range is from 600VA to 1,500VA.

2. Parts names and functions



Description:

No	Function	Description	Remark
1	power on/off	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 light	LED is on, which means input is normal, load is powered by utility	
3	inverter indication LED light	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
4	battery charge indication LED light	LED is on, which means system is charging battery	
5		LED is on, which means battery	

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

Audible Alarm Instruction

Sounds	Indication
	maicution
Once/10sec, auto-eliminated after 3 minutes.	Battery mode
Twice/2sec	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.