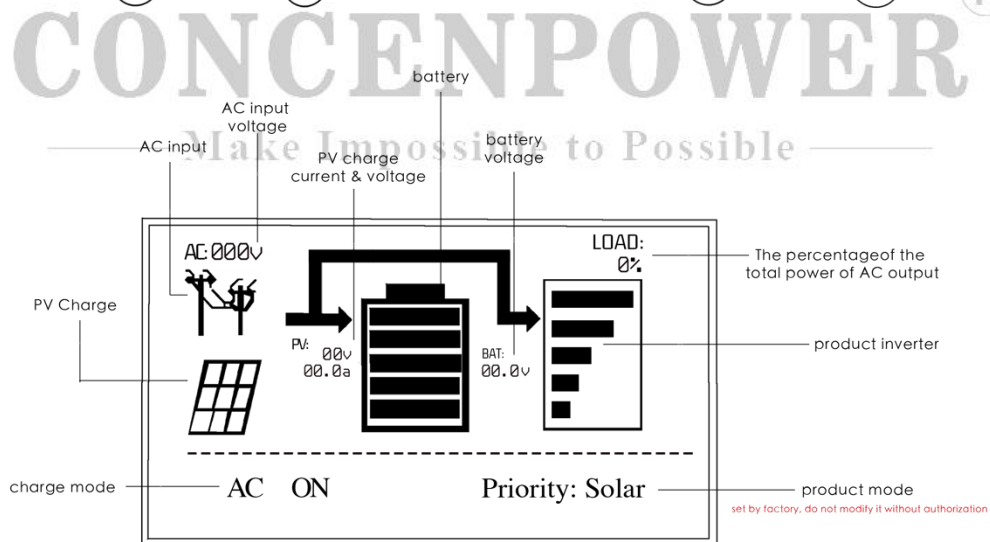
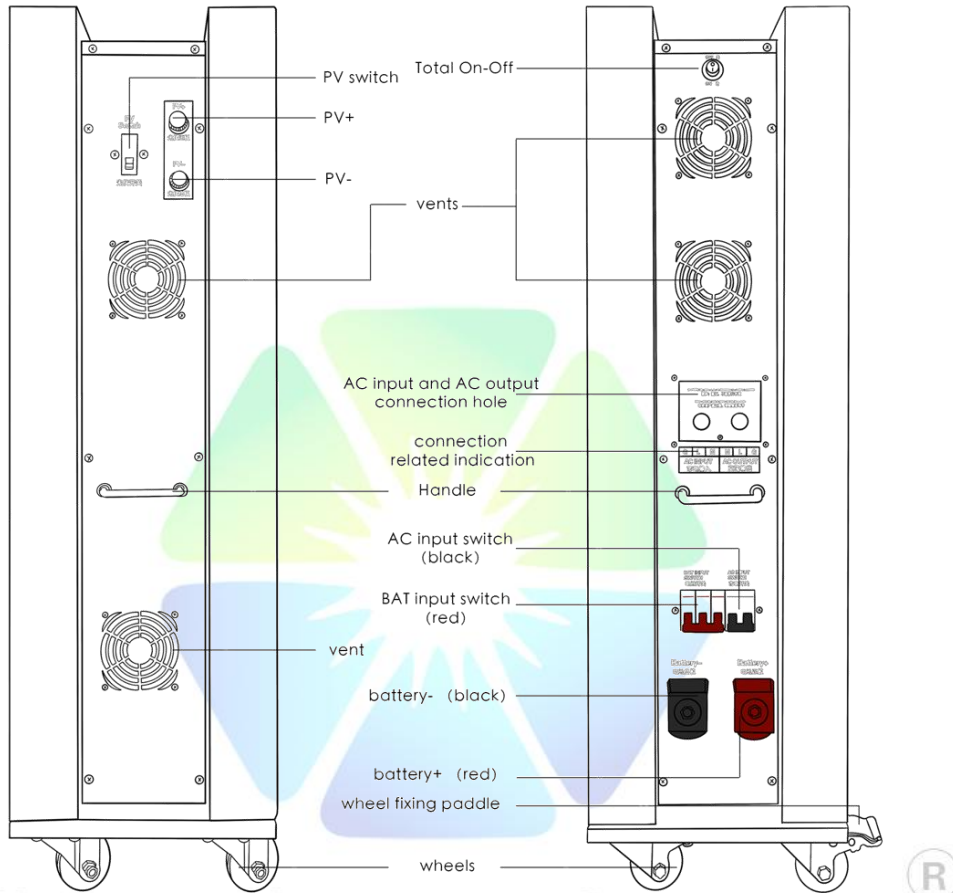






User's Guide

CONCENPOWER INTEGRATIVE POWER BANK

USER GUIDE



CON-H53 220V Product parameter

Image		
Product model	CON-H53 220V output	
Operating temperature	0-40℃	
Product volume	600*306*1000 mm	
Product weight	80KG	
Package size	695*395*1150 mm	
Battery parameters		
Battery type	Lithium-ion batteries of iron phosphate	
Battery voltage	51.2V	
Battery capacity	5000Wh	
Output parameters		
The output voltage	220V	
Working mode switch	220V AC output	
Max. peak power	6kw	
Working mode switch	'AC mode' to 'Solar priority'	After the battery is fully charged with AC for 30 minutes, switch the mode
	'Solar priority' to 'AC mode'	Switch within 5ms after the battery is run out 
Solar controller	Built-in MPPT solar controller 60A	
Enter the parameters		
Input mode	220V charge, photovoltaic charging	
AC input voltage	220V	
Solar input voltage	80-220V	
Protect the system	Protection such as battery undervoltage/battery overvoltage/overload protection/high temperature protection/charging mode	

Precautions for use

1. Place the product in a clean and well-ventilated environment away from water, hazardous gases, and dangerous goods, and it is important to note that there are vents on both sides, keep the distance between the sides and the obstacles greater than 50cm to facilitate product cooling. Once the position is determined, press the fixed paddle next to the wheel to lock the wheel and secure the machine position.
2. Turn on the AC switch and the display lights up "AC input" signal, start AC charge.
3. Turn off the AC switch when the AC input is not used.
4. Turn on the PV switch and the display lights up "solar input" signal, start solar charge.

5. Turn off the PV switch when the PV is not being charged.
6. Turn on the battery switch, the AC output is working.
7. Low temperatures may affect the battery capacity of the product, which can be charged at temperatures ranging from 0~40 °C and used in temperature ranges from 0~40 °C.
8. The product is recommended to be fully charged for the first time to avoid inconvenience due to low battery power.

About charge

1. This product supports solar + AC mains charging mode, the two charging modes do not conflict and can be performed at the same time.
2. After the battery is fully charged with AC for 30 minutes, switch the ‘Solar priority’ mode.
3. Before using or storing the product, please use AC input and solar panel for charging. When charging, the related signal on the screen will light up, and the screen will display the current charging ratio and charging voltage. When the screen shows that the battery power is 100%, it means full. The current battery level can be checked on the screen.
 - AC input:
220V: products need about 1.5 hours to charge full
 - Solar charger 3600W:
Products need about 2.2 hours to charge full
(The length of charge is determined by the intensity of the sun's light)

The above data are from CONCENPOWER laboratories and may vary in charging duration due to factors such as the environment and method of use, and this test data is for informational purposes only.

Warnings and precautions

When using this product, you should always follow basic precautions, including:

1. Read all instructions before using this product.
2. To reduce risk, close supervision is required when using this product near children.
3. Using accessories recommended or sold by non-professional product manufacturers can result in the risk of electric shock.
4. When the product is not in use, unplug the power source out of the product socket.
5. It is prohibited to disassemble a product, which may result in an unpredictable risk of fire, explosion, or electric shock
6. Do not use damaged wires or plugs, or damaged output cables to use the product, there is a risk of electric shock.
7. Charge the product in a well-ventilated area and do not limit the ventilation in any way.
8. Please put the product in a ventilated and dry place, to avoid moisture, the product into the water risk of electric shock.
9. Do not expose the product to fire or above 80 °C. This can lead to safety incidents such as fire and explosion of the product.
10. Do not use or place the product at high temperatures (in direct heat sunlight or in very hot cars), as this may cause risks such as overheating of internal batteries, fire or functional failure, and reduced life.
11. Charge the product every three months to prevent low battery consumption.

Product problems

Fault	Troubleshooting	solution
Power input, the product cannot be charged	1. All switches are turned off	Turn on BAT switch and AC switch, turn off Total On-Off
	2. Charger, product, and AC are not in contact (at this time the display listed electrical input icon is not on)	Check that the charger, product, and AC contact is good
	3. Good contact, but the display's listed electrical input icon is not lit	Check that the power is on, the plug, whether the cable is correct
	4. The display's listed electrical input icon is on, but the product still does not charge	Please contact us for after-sales processing
	5. The battery is fully charged by AC, but it is still in the 'AC mains' mode and has not switched to 'Battery/Solar mode'	After the battery is fully charged with AC for 30 minutes, switch the mode
Photovoltaic charging, the product cannot be charged	1. Check that the Total On-Off, the photovoltaic switch is not switched on	Switch on the Total On-Off, the photovoltaic switch
	2. The photovoltaic panel is not connected to the product (the PV charging icon is not on the display at this time)	Check that the photovoltaic panels are well connected to the product
	3. Good contact, but the PV input icon on the display is not lit	Check that the photovoltaic panel is in full light
	4. The PV charging icon is on the display, but the product still does not charge	Please first after the sale of photovoltaic panels, confirm that the function of photovoltaic panels intact, contact us after-sales processing
	5. The parameter of solar PV is not in the range of product requirement	a. If the photovoltaic panel is matched by you, please check the PV panel parameters, and contact your photovoltaic panel manufacturer b. If your PV panels are provided by CONCENPOWER, please contact after-sale service

The product has no output	1. All switches are turned off	Turn on BAT switch and solar switch, turn off Total On-Off
	2. The AC output cable is not connected to the product	Make the AC output cable and the product good
	3. The product is low in power	Charge the product
	4. After being discharged on appeal at 1,2,3 points, there is still no output	Please contact us for after-sales processing
Interrupted with device output	1. The nominal power of the device used, or the instantaneous start-up power is greater than the power of the product	Choose a product with more power
	2. The product has a low battery level	Charge the product
	3. After being discharged at 1,2 points on appeal, the output is turned off	Please contact us for after-sales processing
	4. The battery has capacity, the product stops working or switches to the AC mains mode	The output power of the electrical appliance is greater than the discharge power of the remaining battery of the product. It can work normally when the power of the substitute appliance is reduced, or the battery is fully charged

Warranty and contact details [®]

To assure users that the product in normal use, there will be no process and materials affecting the use of product defects; This warranty statement sets out the full and exclusive warranty obligations of the product, and we do not delegate or authorize anyone to assume any other responsibility for the products we sell for our company.

Warranty period

The warranty period for the product is 1 year. In all cases, the warranty period is calculated from the date of purchase of the consumer, and to determine the start date of the warranty period, proof of purchase or other reasonable documentation is required.

The following conditions are not covered by the warranty

1. Damaged appearance after use of the product.
2. Non-staff private dismantling, maintenance.
3. Product performance failure due to human causes.
4. Damage caused by irresistible factors such as natural disasters, lightning, accidents, etc.

How to get warranty service

To receive warranty service, please call our technical support department.

Frequently asked questions

1. Can the product be charged by solar and AC input at the same time?
 Can. This product supports simultaneous charging of solar and AC input.
2. While charging the device, can it be connected to electrical appliances for use?
 Can. This product supports charging and discharging.
3. Can I bring my product on board?
 No, because this product is a lithium battery product, according to the International Air Transport Standards Regulations, carrying lithium battery products must not exceed 100Wh.
4. Device power is not available within the product's rated output power range?
 The product has less than 20% of the battery.
 Some devices start more than the peak power of the product, or the nominal power of the equipment is greater than the actual power of the product.
5. Why is there a sound when I use it?
 Products using air-cooled system, built-in fans better help the product cooling, when using a slight noise is normal.
6. Charging Is the electrical product heating up properly?
 When charging the product heat is a normal phenomenon, you can rest assured to use!

Product qualified certification

Product model	CON-H53 220 OUTPUT
Inspector	
Date	

The product meets the inspection standards and is allowed to leave the factory.

Note: The product qualification certificate is an important proof of product warranty. Please keep it properly with other documents.

————— **Make Impossible to Possible** —————