140*110mm　骑马钉

BLAVOR | Welcome Guide

PN-W43 16Ah/100W Power Station

Table of Contents

1. Introduction 01
2. Product Features 02
3. Important Safety Instructions 02-03
4. Product Details 04
5. LCD Screen Guide 05
6. Product Parameters 06
7. Instructions 07-09
8. Package Included 09
9. Protection Mode 10
10. Product Maintenance 11
11. Common Problems and Solutions 12-13
12. Quality Warranty 14
13. Customer Service 14

Introduction

Thank you very much for your purchase! BLAVOR always insists on developing and designing products from the user's perspective. Our power station was created with durability, reliability, and emergency use in mind. It supports PD100W output and charges your mobile phones, tablets, laptops and other digital devices, featuring both wired and wireless charging options.

Product Features

1. Exclusive appearance design, fashionable and beautiful.
2. Adopt high quality UL-certified battery core, safe and stable, long-lasting.
3. Large capacity, portable, supports multiple ports at the same time fast charging output, for various digital devices to provide power.
4. The power station comes with a high-brightness lamp, outdoor use is convenient for you to illuminate, reading use.
5. The power station is IPX6 waterproof, when encounters accidental water or rain, the power station will not enter the water leading to damage.

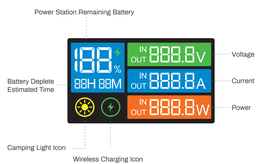
Important Safety Instructions

1. After pressing ☀ button, the display will show the percentage of power and the lighting icon and battery depletion estimate time, press the button again to switch the brightness of the lighting, a total of three levels of adjustable brightness.
2. After pressing 🔋 button, the display will show the power percentage and output voltage, current, and power, you can connect the required charging device through the plug cable for charging.

3. After pressing ⏻ button, the display will show the power percentage and output voltage, current, power and wireless charging icon, now you can place the device that supports QI wireless charging on the top of the power station in the wireless charging area for wireless charging. (When you need to charge your cell phone wirelessly, you must press this button and the display will light up the wireless charging icon before you can charge your cell phone wirelessly)
4. When the temperature is too low, it will affect the discharge capacity of the power station, the power station can be charged in the ambient temperature range of 32-104°F(0 to 40°C), and provide power to the electric equipment in the ambient temperature range of 14-140°F(-10 to 60°C).
5. It is prohibited to disassemble the product, product disassembly may lead to fire, explosion, electric shock and other risks.
6. It is prohibited to expose the product to fire or temperatures higher than 212°F(100°C), otherwise it may lead to fire, explosion and other safety accidents.
7. When using the product for the first time, it is recommended to fully charge the power station, so as not to inconvenience you due to insufficient power. If the power station is not used for a long time, please charge the product once every 3 months.
8. The battery capacity of this power station is more than 100Wh as stipulated in the air transportation regulations, and cannot be taken on the airplane.
9. The power station shell will be slightly hot when charging is a normal phenomenon, the internal temperature control circuit will not cause damage to the product because of overheating, please rest assured that the use.

Product Details

LCD Screen Guide



Parameters

Battery Capacity		16Ah/14.8V/236.8Wh
USB C1/C2 Input/Output		DC5V/3A 9V/3A 12V/3A 15V/3A 20V/5A
USB A1/A2 Output		DC5V/3A 9V/2A 12V/1.5A
Wireless Output		5W 7.5W 10W 15W
LED Light Power		4W
USB-C1+C2 Input/Output 165W (Max)	C1	DC5V/3A 9V/3A 12V/3A 15V/3A 20V/5A
	C2	DC5V/3A 9V/3A 12V/3A 15V/3A 20V/3.25A
USB-C1+USB-A /Wireless Output	C1	DC5V/3A 9V/3A 12V/3A 15V/3A 20V/5A
	C2/A1/A2 /Wireless	DC5V/3A 9V/2A 12V/1.5A /Wireless charging 15W (Max)
USB-C1+C2 +A1/A2/Wireless Output	C1	DC5V/3A 9V/3A 12V/3A 15V/3A 20V/5A
	C2/A1/A2 /Wireless	DC5V/3A (Max)
USB-C2+USB-A /Wireless Output	C2/USBA /Wireless	DC5V/3A (Max)

Instructions

1. Charging the Power Station

Power Charging

Insert the end of the charging cable into the USB-C1 or C2 interface, you can charge the power station. Charging power depends on the output power of the power supply (wall charger), the maximum power supports 20V/5A, you can also plug the USB-C1 and C2 at the same time to charge the power station, the maximum power supports 165W, the display will show the percentage of the power along with the battery power rises, when the percentage of power shows 100%, it means that it has been fully charged, charging is complete, please remove the charger.

Car Outlet Charging

Connect the USB-A or USB-C port of the car to the USB-C port of the power station through the charging cable to charge the power station. To protect the car battery, and avoid car battery loss, please charge the power station in the car engine start state.

Solar Charging

Open the solar panel (not included), put the solar panel toward the direct sunlight, connect the USB-A or USB-C port of the solar bag to the USB-C port of the power station through the charging cable to charge the power station, the charging power depends on the intensity of the sunlight and the solar panel bag supported output maximum power to determine, the maximum power support for 20V/5A.

2. Charging the device with cable

Lightly press the USB output switch button 🔋, the display will show the percentage of power and output voltage, current, and power. Plug the charging cable into power station and your devices. C1 / C2 ports support a maximum 100W output. When C1 and C2 ports are used at the same time, taking into account the heat of the power station will reduce the maximum power of the C2 port to 65W, the C1 port of 100W unaffected.

Notice: Please refer to the power station Parameters when using the C2 port and other ports at the same time, when the product's internal temperature control system detects that the battery temperature reaches 140 °F (60 ℃) will reduce the C1 and C2 ports output power to 45W to ensure that the battery temperature will not be too high and the power station can be normal to charge the device, when charging is completed. It will automatically shut down and enter the hibernation mode.

3. Charging the Device Wirelessly

Lightly press the wireless charging switch button ⏻ to turn on the wireless charging standby, the display will light up the wireless charging icon. Align your device to the wireless charging transmitting area for wireless charging. When the display shows (Please move the device to a proper position), it means that the device is not aligned with the wireless charging transmitting area, please readjust the position.

4. Camping Light

When camping outdoors, short press the ☀ button to turn on the camping light, short press the button to adjust the brightness, a total of three levels of brightness adjustable. When you don't need to use the camping light, please turn it off to save power.

Package Included

PD 100W Power Station*1　USB-C to USB-C Charging Cable *1　Lanyard*1　User Manual *1

Protection Mode

1. Battery low voltage protection: To protect the power station from over-discharge, when the battery power is almost exhausted, it will automatically shut down the output and the display prompts low power (Please recharge the battery), at this time, please charge the product.
2. Over-current protection: When the device is not properly connected to the power station, or when the total current of several devices charging simultaneously exceeds the maximum allowable current, the display screen will prompt (Please try reinserting the cable). Please reconnect the cable to the device and power station or remove some charging devices.
3. Charging temperature protection: During the charging process, when the battery temperature is detected to be higher than 140°F (60°C), the power station will stop charging to ensure the battery is not damaged, the display will prompt the over-temperature protection (Please wait until the battery cools down), normal charging will resume once the battery temperature drops below 131°F(55°C).
4. Discharge temperature protection: During the discharging process, the output power will be reduced to ensure normal charging for the device when detected high battery temperature. When the battery temperature exceeds 158°F(70°C), the over-temperature protection function will be activated and shut down the output. The display will prompt (Please wait until the battery cools down) to ensure the battery will not damaged. Normal charging will resume after the temperature drops below 149°F(65°C).

Product Maintenance

To ensure the maximum efficiency of this power station, please pay attention to the following matters

1. Keep away from moisture and corrosive substances, do not use chemicals to clean the product.
2. To extend the product's service life, when the battery power is low, please charge the product promptly to avoid damage to the battery caused by deep discharge.
3. In low-temperature environments, the battery's activity decreases and the discharge capacity reduces. Please use the product in a suitable environment. Charging and discharging can increase the product's temperature, helping the product to maintain an optimal capacity state as much as possible.
4. Using the product in an ambient temperature range of 41-86°F (5 - 30°C) could achieve the best charging and discharging results for the battery.

Common Problems and Solutions

Fault phenomenon	Troubleshooting	Solution
Unable to charge the unit	The charger is not properly connected to the product (The display does not light up to indicate charging)	Check whether the charger is properly connected to the main power and the power station.
	Battery pack temperature overheating protection due to high load output or high ambient temperature	Leave it in a well-ventilated place for a while and charge it after the machine has dissipated heat
No output / not charge the phone or other devices	The charger is not properly connected to the product	Re-plug the cable to the power station
	The display indicates low battery	The battery is out of power, charge the power station
	Check whether the device is damaged	Replace the charger and charging cable to charge the device to ensure the device is not damaged
	Battery pack temperature overheating protection due to high load output or high ambient temperature	Leave it in a well-ventilated place for a while and charge it after the machine has dissipated heat

Fault phenomenon	Troubleshooting	Solution
Output interrupt after the device has been working for a while	The rated power of the charging devices is too high or the instantaneous starting power is higher than the output power of the power station	Charging with equipment that complies with the product's label parameters
Power station can not turn off automatically	System error	Press and hold the power station's output button for 5 seconds to reset it

Quality Warranty

All products sold by BLAVOR enjoy a 12 month warranty. The guarantee period begins from the date of purchase. During the warranty period,if there are problems caused by manufacturer defect(as verified by our engineering team), BLAVOR will be responsible for it and our team will be with you until you are satisfied.

Customer Service

BLAVOR offers timely and considerate customer service. If you have questions or concerns, feel free to contact us and we will get back to you within 12 hours.

Thank you for choosing BLAVOR

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device,pursuant to part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates,uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver isconnected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has evaluated to meet general RF exposure requirement. The device can be used be in portable exposure without restriction.