



| Yoshino B2000 SST Solid-State Portable Power Station

USER MANUAL

V1.01

Please read this manual carefully before use and keep it for future reference.

PRECAUTIONS

1. Read all the instructions before using the product.
2. To reduce the risk of injury, close supervision is necessary when the product is used near children.
3. Do not put fingers or hands into the product.
4. To reduce risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the portable power station.
5. Do not use a portable power station or appliance that is damaged or modified. A damaged or modified portable power station may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
6. Do not disassemble the portable power station. Contact Yoshino customer service when service is required. Incorrect disassembly or reassembly may result in a risk of fire or electric shock.
7. Yoshino recommends that you use genuine Yoshino accessories. Yoshino shall not be responsible for any damage or expense that might result from the use of parts other than genuine Yoshino parts.
8. For long-term storage, switch off the power and disconnect the AC adapter. Please keep it in a cool, dry place with temperatures below 140° F (60° C) and humidity levels under 90%. For optimal battery longevity, charge the unit to 80% once every 3-6 months.

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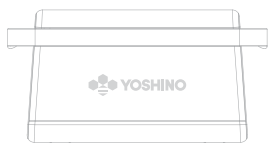
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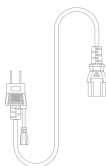
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01

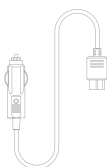
WHAT'S INCLUDED



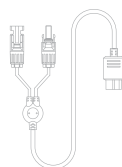
B2000 SST
Portable Power Station



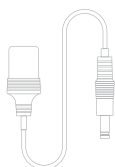
AC
Charging Cable



Car Cigarette Lighter
Charging Cable



Solar Charging
Cable MC4 to XT60



DC5521 to Female Cigarette
Lighter Car Output Cable

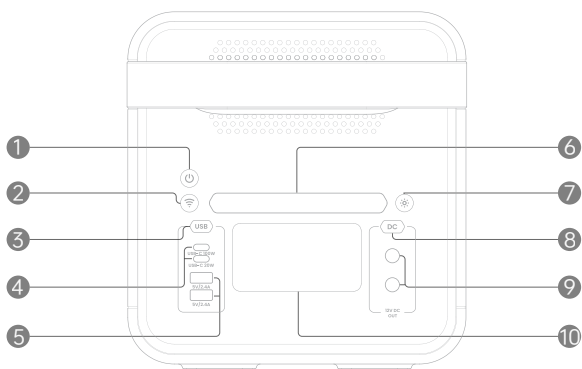


User Manual
QSG
Thank You Card
Warranty Card

02

GETTING STARTED

Overview



① Main Power Button

② APP Connectivity Button

③ USB On/Off

④ USB-C Outputs

⑤ USB-A Outputs

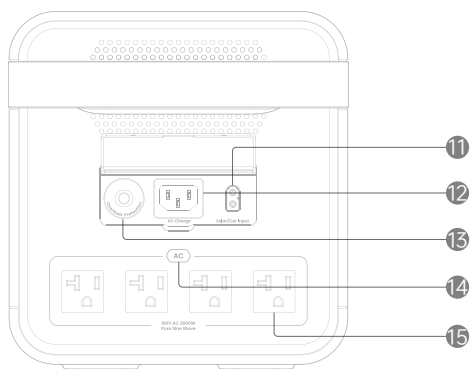
⑥ LED Light

⑦ LED Light On/Off

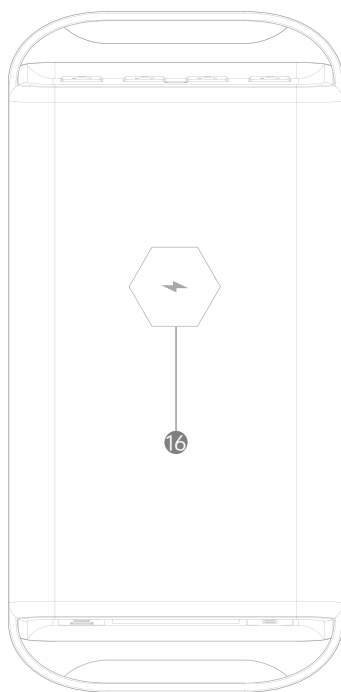
⑧ DC On/Off

⑨ DC Outputs

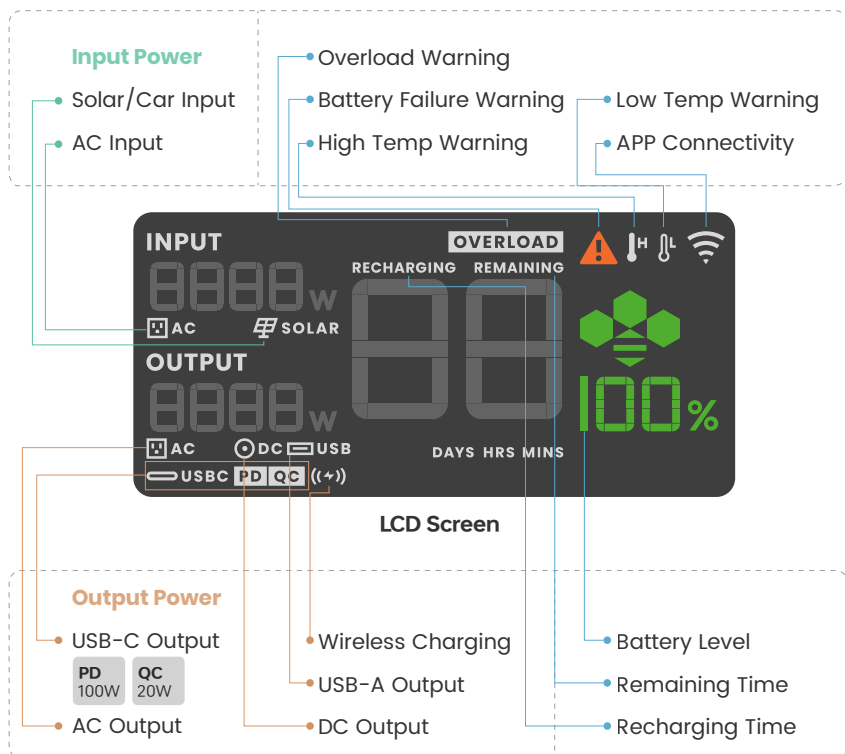
⑩ LCD Screen



- ⑪ Solar/Car Input
- ⑫ AC Input
- ⑬ Overload Protection
- ⑭ AC On/Off
- ⑮ AC Outputs



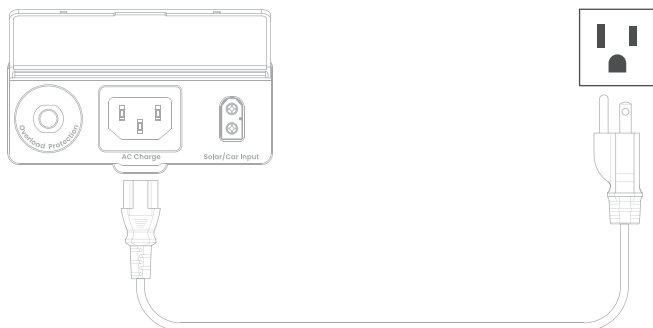
- ⑯ Wireless Charging Area



Charge

Tip: Fully charge your power station before usage or long-term storage.

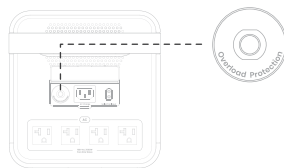
• AC Charging



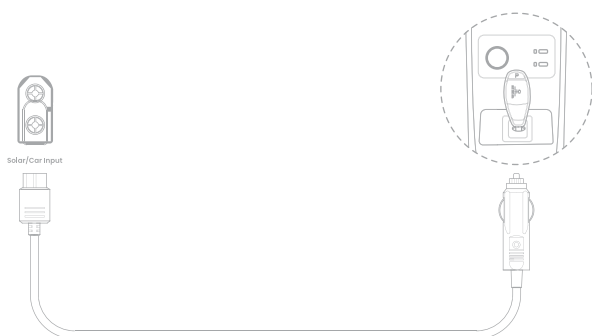
To charge the device, plug one end of the AC Charging Cable into the AC Input, and the other end into a 110-125V power source.

***Tip:**

When AC recharging is not available, check to see if the overload protection button is turned on. If so, press it down to reset.



• Car Charging

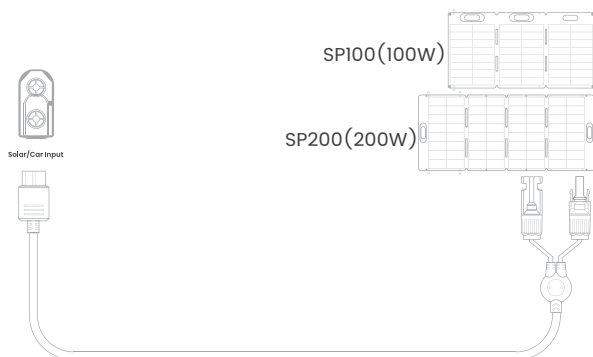


Plug one end of the Car Charging Cable to the Cigarette Lighter of your vehicle, and the other end to the Solar/Car Input of the power station.

***Tips:**

- 1) Please recharge the product through a 12V/10A car charger.
- 2) Make sure the car is started before using car charging.

• Solar Charging



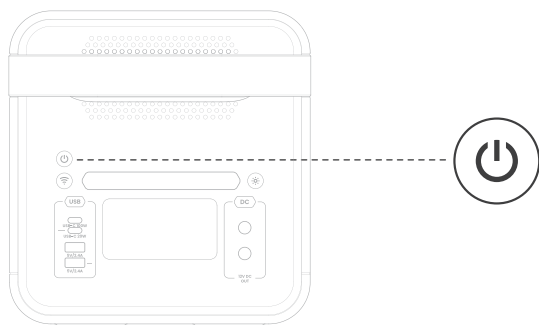
Connect the DC Output of your solar panel to the Solar/Car Input of the power station with the Solar Charging Cable.

***Tips:**

- 1) Yoshino SP100 (100W) or Yoshino SP200 (200W) solar panels (not included) can quickly charge the device to 80% in around 2.5 hours (using three SP200 solar panels).
- 2) When using a Yoshino solar panel to charge the product, please follow the instructions that come with the solar panel.
- 3) Before connecting the solar panel, please ensure that the solar panel's output voltage is within 60V to avoid product damage.

Power On/Off

Press and hold the Main Power Button for 2 seconds to turn on the product. The LCD Screen will light up and the power indicator will pulse white. Press and hold the Main Power Button again for 2 seconds to turn off the device. The word "OFF" will appear on the screen, then the power indicator and LCD Screen will turn off.



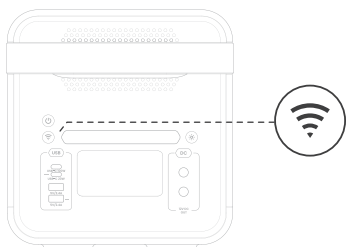
*Tips:

- 1) If the device is not operated for 30 seconds (primary settings, you can adjust the screen time through the Yoshino app), the LCD Screen will turn off. When you start to use the product again, the LCD Screen will turn on automatically.
- 2) When there is no usage after the DC On/Off, AC On/Off or USB On/Off button is turned on, it will turn off automatically within 1 hour.
- 3) When the power station is not in use, it will turn off automatically within 30 minutes.

APP

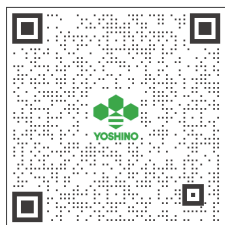
You can monitor, control and customize your portable power station through the Yoshino APP.

· App Connectivity Button



Press and hold the **App Connectivity Button for 3 seconds** until you hear a beep. While the power station is connecting with the app, the icon on the LCD Screen will flash.

· Download

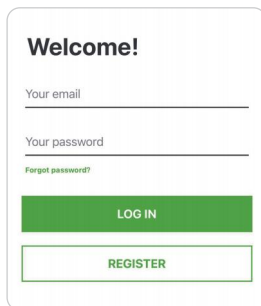


Google Play



App Store

•Registration



Welcome!

Your email _____

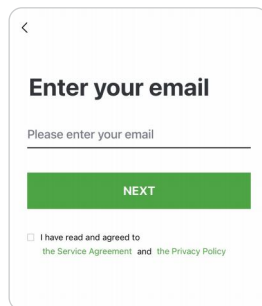
Your password _____

[Forgot password?](#)

LOG IN

REGISTER

1. Launch the “Yoshino” app, and tap “REGISTER”.



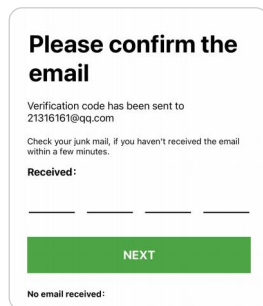
Enter your email

Please enter your email _____

NEXT

☐ I have read and agreed to the [Service Agreement](#) and the [Privacy Policy](#)

2. Enter your e-mail address and tap “NEXT”.



Please confirm the email

Verification code has been sent to 21316161@qq.com

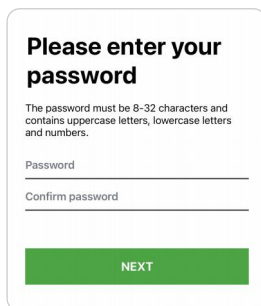
Check your junk mail, if you haven't received the email within a few minutes.

Received: _____

NEXT

No email received: _____

3. Enter the verification code.



Please enter your password

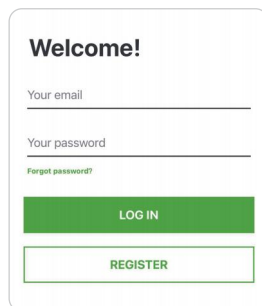
The password must be 8-32 characters and contains uppercase letters, lowercase letters and numbers.

Password _____

Confirm password _____

NEXT

4. Set a password and tap “NEXT”.



Welcome!

Your email _____

Your password _____

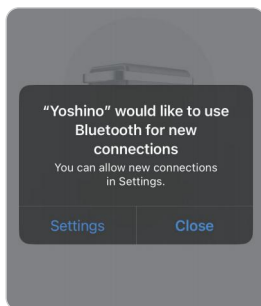
[Forgot password?](#)

LOG IN

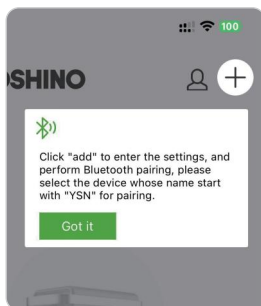
REGISTER

5. Enter your registration information and log in.

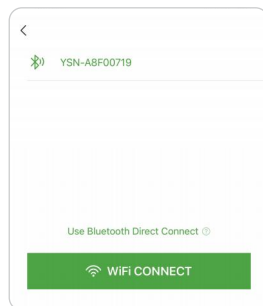
·APP Connection



1. Enable "Wi-Fi" and "Bluetooth" from your smartphone's settings.

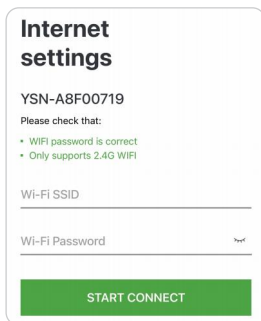


2. Tap the "+" button and select your device.



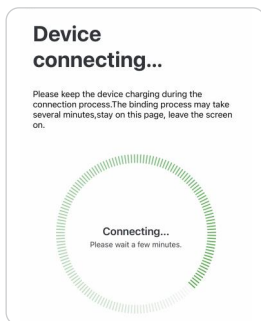
3. Select Bluetooth or Wi-Fi connection as needed.

* If you have any questions during connecting, please contact our customer service.



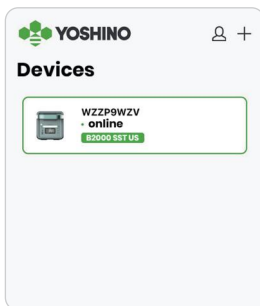
4. For Wi-Fi connection, enter your home Wi-Fi SSID and password, then tap "START CONNECT".

*Only 2.4G Wi-Fi is supported.

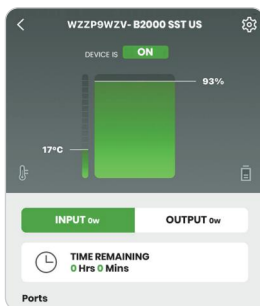


5. During the connection, the LCD Screen may turn off after 30 seconds. Please wait for the connection.

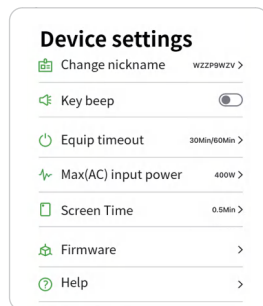
Firmware Update



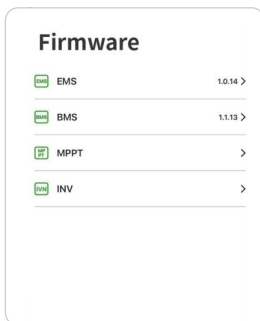
1. Select the device you want to update from the home page.



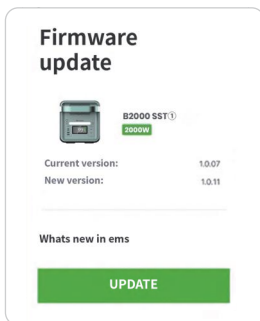
2. Tap the settings button located in the top right corner of the app.



3. Select "Firmware" from the device settings menu.



4. Select "EMS/BMS/MPPT /INV" from the four firmware options.



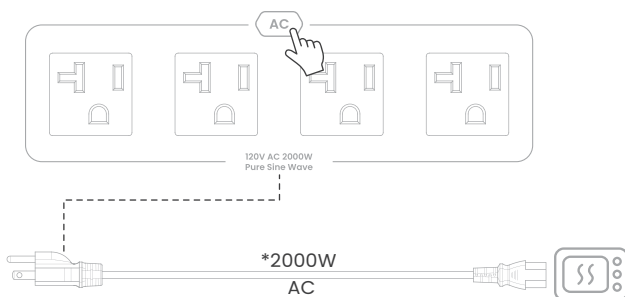
5. Tap "UPDATE".

*Please confirm that "UP" is displayed on the LCD Screen of the portable power station. After the update is complete, restart the app and try connecting the app again.

Connections

· AC Output

Press the AC On/Off button until it lights up to turn on AC power. Connect your devices to the power station using an AC charging cable. Press the button again to turn off AC power.



***Tip:**

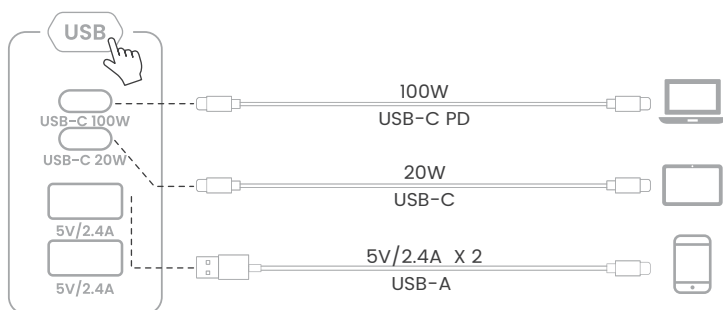
When connecting the portable power station to a refrigerator or any device requiring a continuous power supply, ensure the AC Standby Time setting in the app is set to "Always On". In other modes, the power station may shut down automatically due to power fluctuations.

·USB Output

Press the USB On/Off button until it lights up to turn on the power.

Connect your devices to the power station using a USB cable.

Press the button again to turn off the power.

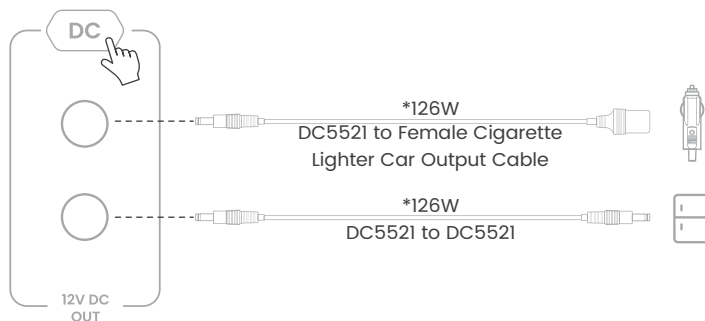


·DC Output

Press the DC On/Off button until it lights up to turn on the power.

Connect your devices to the power station using a DC charging cable.

Press the button again to turn off the power.

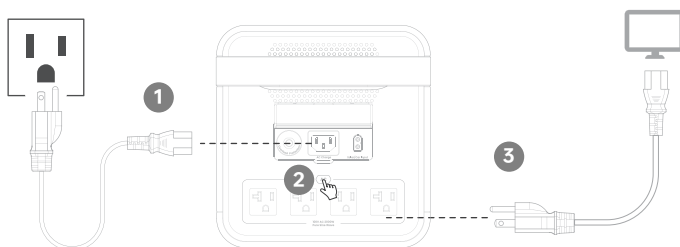


*Tip:

Total power output is 126W.

UPS (Uninterruptible Power Supply)

To enable the UPS function, connect your portable power station to a wall outlet using an AC charging cable. Then, press the AC On/Off button and plug your devices into the power station's AC Output.



***Tips:**

- 1) This device supports off-grid UPS. In the event of a sudden blackout, it will automatically switch to inverter mode within 20ms.
- 2) The off-grid UPS function does not support switching times faster than 20ms. Do not connect it to devices requiring a UPS with a faster switch time, such as data servers and workstations.
- 3) Please test and confirm compatibility before using your portable power station as a UPS.
- 4) In order to avoid triggering overload protection, we recommend charging only one device at a time and not using multiple devices simultaneously.

LED Light



Press the LED Light On/Off button to turn on the LED light.
Press it again to turn off the light.

03

SPECIFICATIONS

Capacity	1326Wh, 40.92V, 32.4Ah
Battery Type	Solid State Li-NCM 16.2Ah
Cycle Life	4000 Cycles to 80%+ Capacity
AC Output (Rated)	2000W
AC Output (Surge)	3000W
Warranty	5 Years
Net Weight	31.3 lbs 14.2 kg
Dimensions	17.5 x 8.6 x 9.1 inches 445 x 218 x 231 mm
AC Input	100-120VAC, 50/60Hz 1500W Max
Car Input	12VDC/10A, 120W Max

Solar Input	12-60VDC/10A Max 600W Max
AC Output	4 Outlets, 120VAC, 50/60Hz, 2000W Total
12V DC Output	2 Ports, 12.6VDC/10A, 126W Total
Wireless Charging	5VDC/1A, 9VDC/1.1A, 12VDC/1.25A, 15W Max
USB-A Output	2 Ports, 5VDC/2.4A, 12W Each Port
USB-C Output	5VDC/3A, 9VDC/2.22A, 12VDC/1.66A, 20W Max
USB-C PD Output	5-15VDC/3A, 20VDC/5A, 100W Max
Discharging Temperature	14 to 104°F (-10 to 40°C)
Charging Temperature	32 to 104°F (0 to 40°C)
Working Humidity	Maximum 90%

04

TROUBLE- SHOOTING

Symbol	Problem
 AC  SOLAR	  H   H Battery Charging High Temperature Protection
 AC  SOLAR	  L   L Battery Charging Low Temperature Protection
 AC  SOLAR	 H  H AC/Solar/Car Charging High Temperature Protection
 AC Flashing	  H Battery Discharged High Temperature Protection
 AC Flashing	  L Battery Discharged Low Temperature Protection
 AC Flashing	 H AC Output High Temperature Protection
 USB Flashing	USB Output Overload Protection
 AC Flashing  QC Flashing  USBC PD Flashing  DC Flashing	 OVERLOAD  OVERLOAD  OVERLOAD  OVERLOAD AC/USB-C/USB-C PD/DC Output Overload Protection
	Battery Failure

Solution

Charging can be resumed automatically after the battery cools down.

Charging can be resumed automatically after battery temperature rises above 0°C (32°F).

After the product cools down, it will resume normal operation automatically.

The product will shut down after warning. Discharging can be resumed automatically after the battery cools down.

The product will shut down after warning. Discharging can be resumed automatically after battery temperature rises above 0°C (32°F).

After the product cools down, re-press the AC On/Off button, and it will resume normal operation automatically.

Remove the device connected to the USB-A Outputs. Re-press the USB On/Off button, and it will resume normal operation automatically.

Remove the overloaded device and re-press the AC, USB, or DC On/Off button, it will resume normal operation automatically. Electrical appliances should be used within rated power.

If the prompt appears on the screen and does not disappear after restarting, stop using it immediately and contact Yoshino customer service.

Warranty

Limited Product Warranty

Yoshino Technology, Inc. proudly stands behind its products by offering a five (5) year limited warranty to the original consumer of any Yoshino product purchased directly from YoshinoPower.com or an authorized reseller in North America that any such Yoshino product will be free from defects in materials and workmanship, except for the exclusions listed below.

Exclusions

Yoshino's warranty covers the product as long as it is used in its intended manner, and will not cover any of the following:

- * Product that has been abused, misused, or otherwise not operated within the parameters of the literature provided with the product.
- * Product with evidence of water damage or from use in bad weather (i.e., rain, dust/sandstorms).
- * Product that has been modified or had a repair attempted by anyone other than Yoshino.
- * Any product not purchased directly from Yoshino or an authorized reseller such as auction sites or unauthorized online third-party sellers.

FCC Warning

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 warranty to operate the equipment.

Note: 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 is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

For FAQs and
More Information,
Please Visit:



YoshinoPower.com

SUPPORT

☎ 1 (800) 513-2797

✉ customersupport@YoshinoPower.com

🕒 Operating hours are 8:00 am – 4:30 pm PST (M-F).