Yoshino B2000 SST

Yoshino Solid-State Portable Power Station

Model: B2000 SST User Manual

1. Introduction

Welcome to the user manual for your Yoshino Solid-State Portable Power Station B2000 SST. This innovative device utilizes cutting-edge Li-NCM solid-state battery technology to provide reliable, efficient, and safe power for a wide range of applications, from outdoor adventures to home backup during emergencies. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your power station to ensure optimal performance and longevity.



The Yoshino B2000 SST is designed for versatile power needs, offering a compact and reliable energy solution.

Product Overview Video

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This video provides a brief overview of the Yoshino B2000 SST Solid-State Portable Power Station, highlighting its key features and applications.

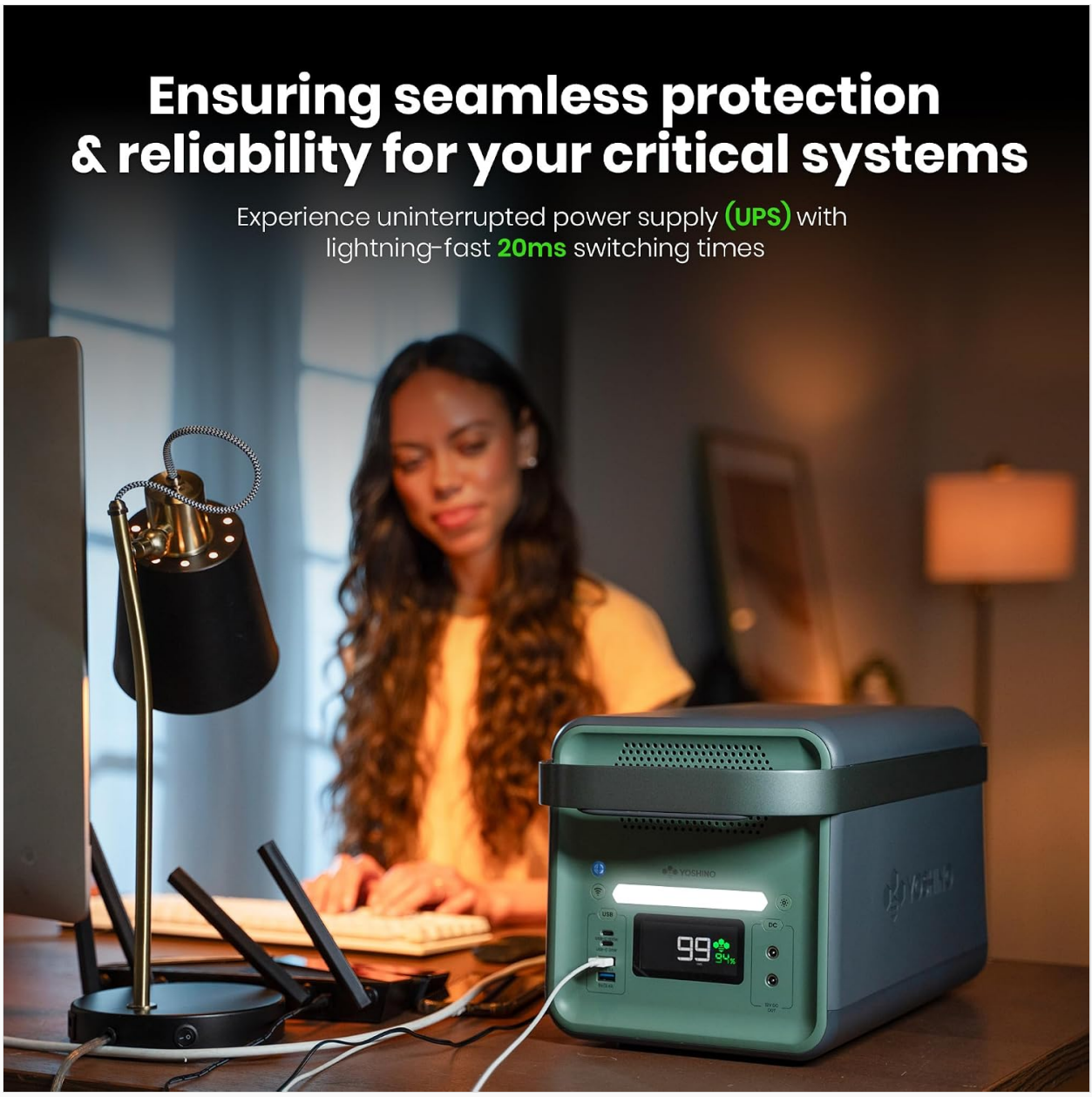
2. Key Features

- **Industry-Leading Li-NCM Solid-State Technology:** The B2000 is the world's first portable power station powered by Li-NCM solid-state batteries, offering up to 2.5x higher energy density than conventional batteries. This results in a compact, lightweight design (31.3 lbs) with a 1326 Wh capacity, capable of powering most devices and appliances reliably, even in colder temperatures.



The advanced solid-state battery technology provides increased safety, lighter weight, and more power.

- **Next-Level Power for Everyday Use:** With a 2000W output and 1326Wh capacity, the B2000 meets diverse power needs. It boasts a 10-year lifespan and over 4000 cycles to 80% capacity. Its ultra-fast 20ms UPS switching ensures devices run seamlessly during power transitions. ETL-certified to UL2743 standards, it is rigorously tested for safe charging even in high temperatures.



Experience uninterrupted power supply (UPS) with lightning-fast 20ms switching times for critical systems.

- **Three Ways to Recharge:** The B2000 supports 1500W AC, 600W solar, and 120W car charging. With a maximum 1500W AC input, it can charge to 80% in just 50 minutes.



The power station offers versatile recharging options including AC, solar, and car charging.

- **Smart App Control:** Connect your power station to the Yoshino App via Wi-Fi or Bluetooth to remotely control it, monitor charge levels, runtime, and status, or customize settings. Optimize charging with Fast, Smart, or Eco Modes.



Control and monitor your Yoshino B2000 SST effortlessly with the dedicated mobile application.

- **Power on the Go:** Weighing 31.3 lbs and measuring 17.5 × 8.6 × 9.1 inches, the B2000 is compact and easy to carry. Operating at under 40 dB (full load @ 3m) with a pure sine wave, it delivers quiet, reliable power for camping, RV travel, yachting, tiny house vacations, fishing, gardening, DIY projects, or home power outages.



The B2000 SST is designed to operate reliably in extreme temperatures, from cold to hot.

3. Setup

Before using your Yoshino B2000 SST, please follow these initial setup steps:

1. **Unboxing:** Carefully remove the power station and all accessories from its packaging. Retain the packaging for future storage or transport.
2. **Inspect for Damage:** Check the unit for any visible damage that may have occurred during shipping. If damage is found, do not operate the unit and contact customer support immediately.
3. **Initial Charge:** It is recommended to fully charge the B2000 SST before first use. Connect the power station to a standard AC outlet using the provided AC charging cable. The display will show the charging progress.
4. **Familiarize Yourself:** Take a moment to identify all ports, buttons, and the display screen on the unit. Refer to the diagrams in this manual for detailed port identification.



Front panel of the Yoshino B2000 SST, showing the display, USB ports, DC outputs, and control buttons.

4. Operating Instructions

The Yoshino B2000 SST is designed for intuitive operation. Here's how to use its various functions:

4.1 Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The display screen will illuminate upon activation.

4.2 Charging the Power Station

- **AC Charging:** Connect the AC charging cable to the AC input port on the unit and then to a wall outlet. The display will show the input wattage and estimated time to full charge.
- **Solar Charging:** Connect compatible solar panels (sold separately) to the solar input port. Ensure the panels are in direct sunlight for optimal charging.
- **Car Charging:** Use the car charging cable to connect the unit to your vehicle's 12V cigarette lighter port.

4.3 Using Output Ports

- **AC Outlets:** Press the AC power button to enable the AC outlets. Plug in your devices. The display will show the output wattage.

- **USB Ports (USB-A & USB-C):** These ports are always active when the unit is on. Simply plug in your USB-powered devices.
- **DC Outputs:** Press the DC power button to enable the 12V DC output ports.
- **Wireless Charging:** Place your Qi-compatible device on the wireless charging pad located on top of the unit.

4.4 Built-in LED Light

The B2000 SST features a bright built-in LED light bar. Press the light button to cycle through different brightness levels or turn it off. This is useful for illuminating ports in low-light conditions or for general area lighting.



The convenient built-in LED light bar provides illumination for various situations.

4.5 Smart App Control

Download the Yoshino App from your device's app store. Follow the in-app instructions to connect your B2000 SST via Wi-Fi or Bluetooth. The app allows for remote monitoring of battery status, input/output power, and customization of charging modes (Fast, Smart, Eco).

Operating the Power Station Video

Your browser does not support the video tag.

This video demonstrates the various operating features of the Yoshino B2000 SST, including charging and output options.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your Yoshino B2000 SST:

- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the unit. Do not use harsh chemicals or abrasive materials. Keep ports free of dust and debris.
- **Storage:** When not in use for extended periods, store the power station in a cool, dry place, away from direct sunlight and extreme temperatures. It is recommended to fully charge the unit every 3-6 months to maintain battery health.
- **Battery Care:** Avoid fully discharging the battery frequently. For best battery lifespan, try to keep the charge level between 20% and 80% during regular use.
- **Ventilation:** Ensure the ventilation vents are not blocked during operation to prevent overheating.

6. Troubleshooting

If you encounter issues with your Yoshino B2000 SST, refer to the following common troubleshooting tips:

- **Unit Not Turning On:** Ensure the battery is charged. If completely depleted, it may take a few minutes of charging before the unit responds.
- **No Output from Ports:** Check if the specific output (AC/DC) is enabled by pressing its respective button. Ensure the device you are trying to power is within the power station's output limits.
- **Slow Charging:** Verify that the charging cable is securely connected. For solar charging, ensure panels are in direct sunlight and free of obstructions. Check the input wattage on the display.
- **Overload Protection:** If the unit shuts down unexpectedly, it might be due to an overload. Disconnect the high-power device, restart the power station, and try powering lower-wattage devices.
- **Display Not Working:** Try restarting the unit. If the issue persists, contact customer support.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact Yoshino customer support.

7. Specifications

Feature	Specification
Brand	Yoshino
Model Name	B2000 SST
Wattage	2000 watts
Fuel Type	Electric

Feature	Specification
Power Source	AC
Item Weight	31.3 Pounds
Voltage	120 Volts
Output Wattage	2000 Watts
Special Feature	Portable
Included Components	Batteries
Color	Green
Product Dimensions	17.5"L x 8.6"W x 9.1"H
Engine Type	4 Stroke
Engine Displacement	418 Cubic Centimeters
Runtime	45 minutes
Total Power Outlets	2
Frequency	60 Hz
Running Wattage	2000 Watts
UPC	850045570026
Manufacturer	Yoshino



Physical dimensions of the Yoshino B2000 SST.

8. Warranty and Support

Your Yoshino B2000 SST Portable Power Station comes with a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including coverage period and what is covered. For technical support, service, or warranty claims, please contact Yoshino customer support through their official website or the contact information provided in your product documentation.
For additional resources and product information, visit the official Yoshino website:Yoshino Store on Amazon

Yoshino Brand Video

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Learn more about the Yoshino brand and its commitment to portable power solutions.

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and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question