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YEX-BUR YX-IV06A-DW

YEX-BUR 350W Power Inverter for Dewalt 20V/60V Battery (Model YX-IV06A-DW) Instruction Manual

Model: YX-IV06A-DW

Introduction

This manual provides essential information for the safe and efficient operation of your YEX-BUR 350W Power Inverter. This device converts DC power from Dewalt 20V/60V Lithium-Ion batteries into AC 110-120V power, and also provides USB-A, USB-C, and DC 12V outputs. It is designed for outdoor activities, job sites, and emergency power needs. Please read this manual thoroughly before use and retain it for future reference.



Image: The YEX-BUR Power Inverter's compact design and integrated handle, highlighting its ease of transport for various activities.

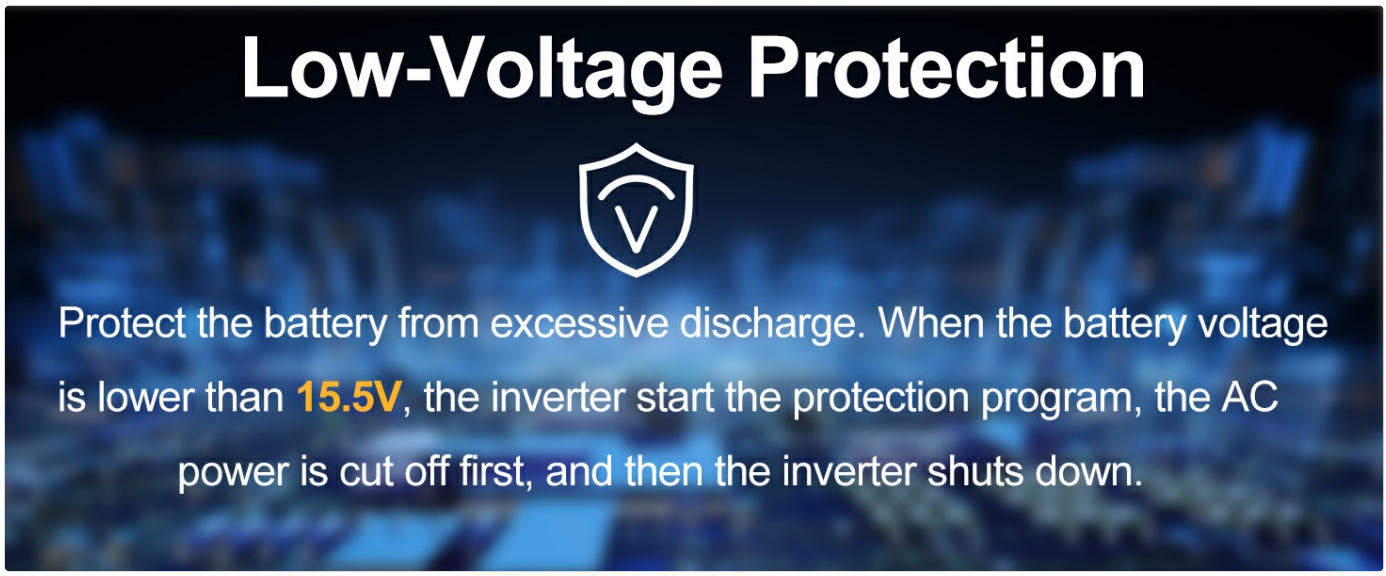


Image: Examples of the YEX-BUR Power Inverter in use across different scenarios, including picnics, worksites, camping, and travel, showcasing its versatility.

Safety Information

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Ensure the inverter is used in a well-ventilated area.
- Do not expose the inverter to rain or wet conditions.
- Do not operate the inverter if it has received a sharp blow, been dropped, or otherwise damaged.
- Keep children and unauthorized persons away from the inverter during operation.
- Only use compatible Dewalt 20V/60V Lithium-Ion batteries.
- Remove batteries when the power inverter is not in use to prevent accidental discharge or damage.
- Do not attempt to power appliances exceeding the inverter's maximum output of 350W. Overloading can cause the unit to shut down or be damaged.

Built-in Safety Protections:

- **Low-Voltage Protection:** Protects the battery from excessive discharge. When the battery voltage is lower than 15.5V, the inverter starts the protection program, cutting off AC power and shutting down.

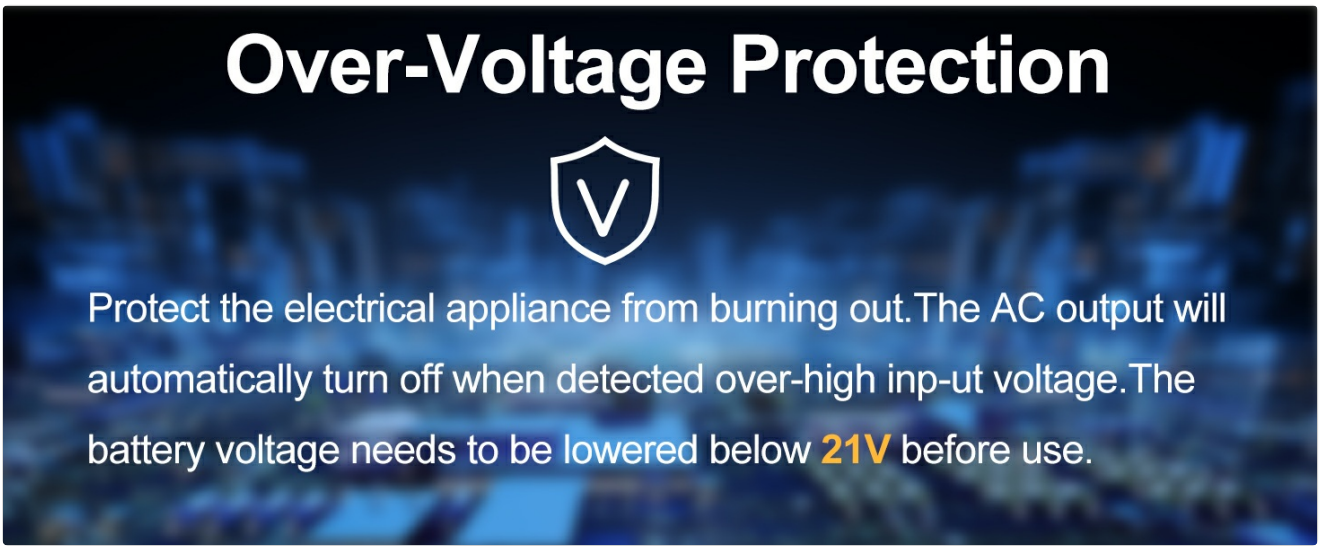


Image: Explanation of Low-Voltage Protection, showing the inverter's automatic shutdown mechanism when battery voltage falls below 15.5V to prevent over-discharge.

- **Over-Voltage Protection:** Protects electrical appliances from burning out. The AC output automatically turns off if an over-high input voltage is detected. The battery voltage needs to be lowered below 21V before use.

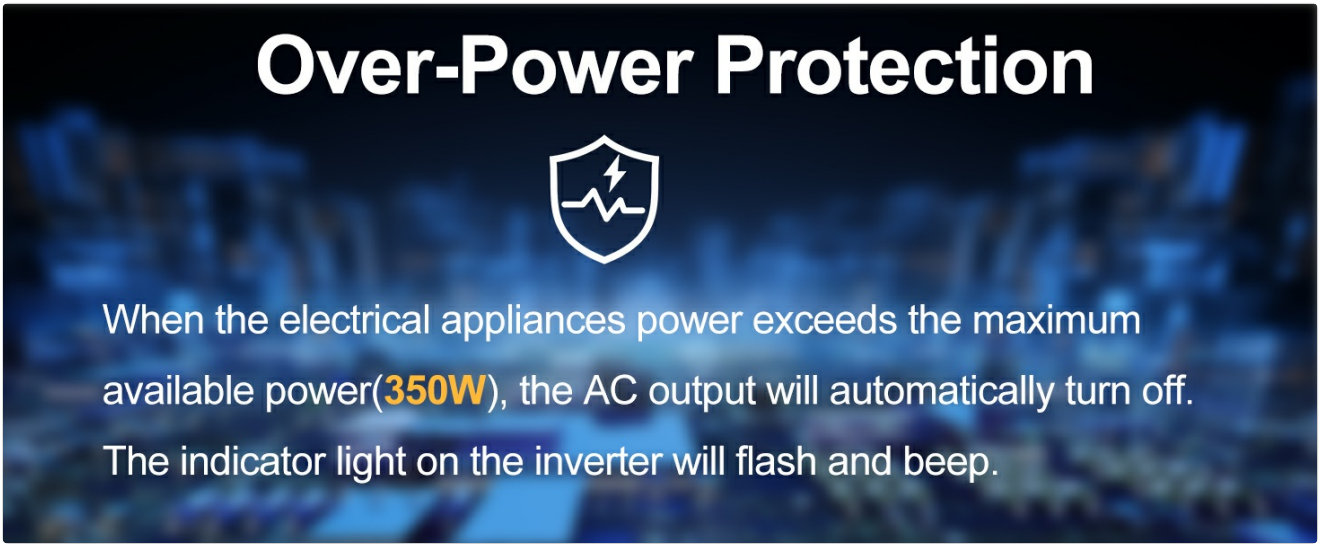


Image: Explanation of Over-Voltage Protection, detailing how the AC output is automatically disabled if the input voltage is excessively high, requiring battery voltage to be below 21V for operation.

- **Over-Power Protection:** When the power drawn by electrical appliances exceeds the maximum available power (350W), the AC output automatically turns off. The indicator light on the inverter will flash and beep.

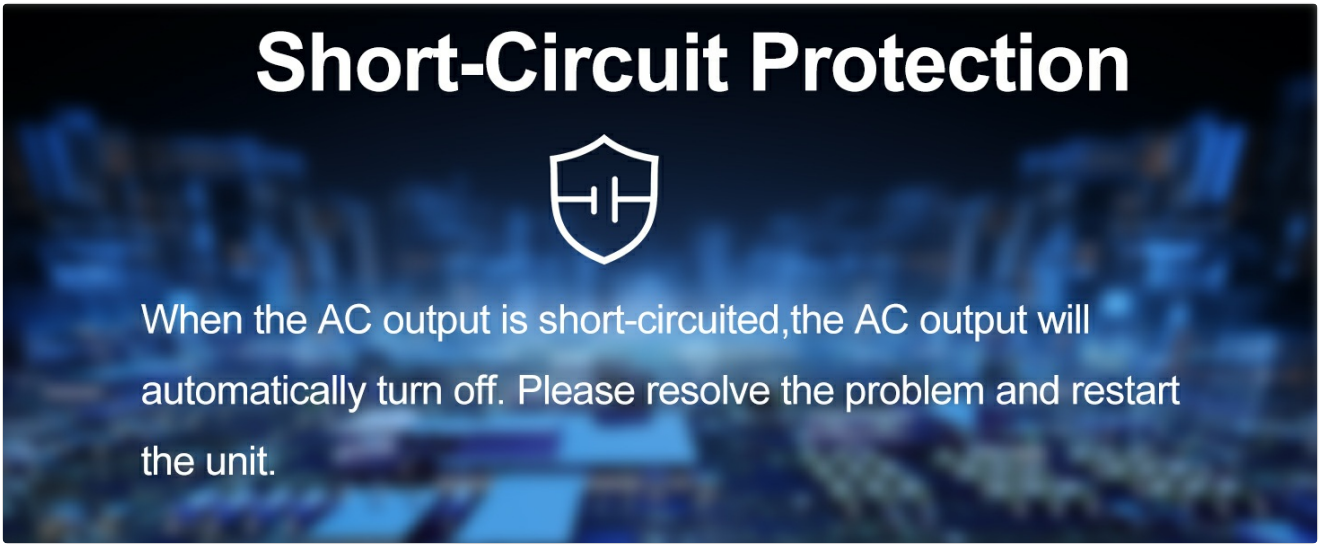


Image: Explanation of Over-Power Protection, showing the inverter's response (AC output off, flashing light, beep) when connected appliances exceed the 350W limit.

- **Short-Circuit Protection:** If the AC output is short-circuited, the AC output will automatically turn off. Resolve the problem and restart the unit.



Image: Explanation of Short-Circuit Protection, indicating that the AC output will automatically shut down if a short circuit is detected, requiring problem resolution and a unit restart.

- **Over-Temperature Protection:** When using AC output, the unit generates heat. If the temperature becomes too high, the built-in fan automatically starts to dissipate heat. This is normal operation.

Product Features

- **350W Pure Sine Wave Inverter:** Converts DC 20V from batteries to stable AC 110-120V power.
- **Multi-Port Output:**
  - 1 x AC 110-120V Output Port
  - 3 x USB-A Ports (5V 2.1A total)
  - 1 x USB-C Port (PD3.0, 18W)
  - 1 x DC Output (12V 5A)
- **Compatibility:** Designed for Dewalt 20V/60V Lithium-Ion Batteries (e.g., DCB206, DCB204, DCB181, DCB182, DCB200, DCB203, DCB205-2, DCB204-2, DCB206-2, DCB208, DCB201).
- **Integrated LED Light:** 300 Lumens with 4 modes (low, medium, strong, flashing) for emergency lighting.
- **Multiple Safety Protections:** Built-in Battery Management System (BMS) protects against overcurrent, overvoltage, overheating, overload, and short circuit.
- **Portable Design:** Compact and lightweight (3.6 lbs) with a convenient handle for easy transport.

Package Contents

- 1 x YEX-BUR 350W Power Inverter (Model YX-IV06A-DW)
- *Note: Batteries are not included.*

Setup

1. **Insert Batteries:** Ensure your Dewalt 20V/60V Lithium-Ion batteries are fully charged. Align the battery with the battery socket on the inverter and slide it in until it clicks securely into place. The inverter supports up to four batteries for extended runtime.



Image: The YEX-BUR 350W Power Inverter showing its four battery slots, designed for Dewalt 20V/60V batteries. This illustrates the battery insertion process.

2. **Check Battery Level:** The LCD display on the inverter will show the current battery voltage. Ensure sufficient charge before operating.

Operating Instructions

Powering On/Off

1. **To Power On:** Press and hold the **Power Button** for a few seconds until the LCD screen illuminates.



Image: A close-up of the YEX-BUR Power Inverter's control panel, highlighting the various ports and buttons including the Power Button, LED Button, and AC O/I Button.

2. **To Power Off:** Press and hold the **Power Button** again for a few seconds until the LCD screen turns off.

Using AC Output

1. Ensure the inverter is powered on.
2. Press and hold the **AC O/I Button** (AC On/Off Button) for a few seconds to activate the AC outlet. The AC indicator light will illuminate.
3. Plug your AC appliance (up to 350W) into the AC outlet.



Image: The YEX-BUR Power Inverter in an outdoor setting, demonstrating its multi-output capabilities by charging a laptop via the AC outlet and a smartphone via a USB port.

4. To turn off the AC output, press and hold the **AC O/I Button** again.

Using USB and DC Outputs

1. Ensure the inverter is powered on. The USB and DC outputs are typically active once the inverter is powered on.
2. Connect your USB-powered devices to the USB-A or USB-C ports.
3. Connect your 12V DC devices to the DC output port.

Using the LED Light

1. Ensure the inverter is powered on.
2. Press the **LED Button** to cycle through the four light modes: Slight Light, Medium Light, Strong Light, and Flashing Light.



Image: The YEX-BUR Power Inverter with its LED light illuminated, demonstrating its function as an emergency light source. The display shows battery information.

3. To turn off the LED light, continue pressing the **LED Button** until the light turns off, or press and hold the button.

Maintenance

- **Cleaning:** Wipe the inverter with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the inverter in a cool, dry place away from direct sunlight and moisture. Remove batteries before

long-term storage.

- **Battery Care:** Always use fully charged batteries for optimal performance. Remove batteries when the inverter is not in use.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

Troubleshooting

Problem	Possible Cause	Solution
Inverter does not turn on.	Batteries not inserted correctly. Batteries are discharged. Power button not held long enough.	Ensure batteries are fully seated and clicked into place. Charge batteries before use. Press and hold the Power Button for several seconds.
AC output not working.	AC output not activated. Appliance exceeds 350W limit. Overload/Short circuit protection activated.	Press and hold the AC O/I Button to activate AC output. Use appliances within the 350W limit. High-power devices like electric kettles are not compatible. Disconnect the appliance, turn off the AC output, then restart. Reduce load if necessary.
Inverter shuts down unexpectedly.	Low battery voltage. Overload protection. Overheat protection.	Recharge or replace batteries. The inverter protects against excessive discharge (shuts down below 15.5V). Reduce the connected load. The inverter will shut down if power exceeds 350W. Allow the unit to cool down. The built-in fan will activate if temperature is too high. Ensure proper ventilation.

If problems persist, contact customer support.

Specifications

Feature	Detail
Brand	YEX-BUR
Model Name	YX-IV06A-DW
Input Voltage	20 Volts (DC) from Dewalt 20V/60V batteries
Running Wattage	350 Watts
Starting Wattage	700 Watts (Peak)
AC Output	110-120V AC, 50/60Hz, Pure Sine Wave
USB-A Output	3 ports, 5V 2.1A (total)
USB-C Output	1 port, PD3.0, 18W
DC Output	1 port, 12V 5A

Feature	Detail
Total Power Outlets	6 (1 AC, 3 USB-A, 1 USB-C, 1 DC)
LED Light	300 Lumens, 4 modes
Item Dimensions (L x W x H)	9.88" x 6.81" x 10.24"
Item Weight	3.6 Pounds
Material Type	Plastic

Warranty and Support

This YEX-BUR Power Inverter comes with a**1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.
For technical support, troubleshooting assistance, or warranty inquiries, please contact YEX-BUR Tech customer service. Refer to the product packaging or the retailer's website for contact information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

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