

Aoleaby OP-VB2 133B2036

Aoleaby Inverter Panel OP-VB2 133B2036 Keyboard Speed Control Panel User Manual

INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of the Aoleaby Inverter Panel OP-VB2 133B2036 Keyboard Speed Control Panel with Potentiometer. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

SAFETY INFORMATION

WARNING: Electrical shock hazard. Ensure power is disconnected before installation or maintenance.

- Only qualified personnel should install, operate, and maintain this device.
- Do not operate the panel with wet hands.
- Ensure proper grounding to prevent electrical hazards.
- Keep the device away from water, excessive heat, and corrosive environments.
- Verify all connections are secure before applying power.

PRODUCT OVERVIEW

The Aoleaby Inverter Panel OP-VB2 133B2036 is a keyboard speed control panel designed for use with inverters, featuring a digital display and an integrated potentiometer for precise speed adjustments. Its robust design includes multi-grid cooling for efficient heat dissipation.

Key Features:

- Digital display for clear readings and parameter settings.
- User-friendly keyboard layout for intuitive operation.
- Integrated potentiometer for variable speed control.
- Multi-grid design for enhanced cooling.
- Built-in safety protections: Over Current, Over Voltage, Overload, Short Circuit.

Component Identification:



Figure 1: Side view of the Inverter Panel. This image highlights the compact profile of the control panel and the position of the potentiometer knob on its side, used for speed adjustment.



Figure 2: Rear view of the Inverter Panel. This image displays the back of the control panel, featuring a label with model information and a barcode. A multi-pin connector is visible, which is used for connecting the panel to the inverter system.

SETUP AND INSTALLATION

Follow these steps for proper installation of the inverter panel:

1. **Power Disconnection:** Ensure that the main power supply to the inverter and associated equipment is completely disconnected before beginning installation.
2. **Mounting:** Securely mount the control panel in a suitable location, ensuring it is protected from excessive vibration, moisture, and direct sunlight. The multi-grid design requires adequate clearance for airflow.
3. **Wiring:** Connect the multi-pin connector on the rear of the control panel (refer to Figure 2) to the corresponding port on your inverter. Consult your inverter's manual for specific wiring diagrams and connection points. Ensure all connections are firm and correctly oriented.
4. **Verification:** Double-check all wiring connections for correctness and security.

5. **Power On:** Once all connections are verified, restore power to the inverter system.

OPERATING INSTRUCTIONS

The OP-VB2 133B2036 panel provides intuitive control over your inverter's speed settings.

Basic Operation:

1. **Power On:** After successful installation and power restoration, the digital display on the panel should illuminate.
2. **Speed Adjustment:** Use the integrated potentiometer knob (visible on the side, Figure 1) to adjust the output frequency or speed of the connected motor. Turning the knob clockwise typically increases speed, while counter-clockwise decreases it.
3. **Digital Display:** The digital display will show the current operating frequency, speed, or other relevant parameters as configured in your inverter.
4. **Keyboard Functions:** The keyboard buttons allow for parameter setting and mode selection. Refer to your inverter's specific programming manual for detailed instructions on using the keyboard to access and modify parameters.

Safety Protections:

The panel includes built-in safety features:

- **Over Current Protection:** Automatically shuts down if current exceeds safe limits.
- **Over Voltage Protection:** Protects against excessive voltage input.
- **Overload Protection:** Prevents damage from sustained excessive load.
- **Short Circuit Protection:** Guards against short circuits in the output.

If any protection is triggered, the panel or inverter may display an error code. Consult your inverter's manual for error code interpretation.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your control panel.

- **Cleaning:** Periodically clean the exterior of the panel with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no dust or debris accumulates in the cooling vents.
- **Inspection:** Regularly inspect all wiring connections for looseness or signs of wear.
- **Environment:** Ensure the operating environment remains within specified temperature and humidity ranges.
- **No User Serviceable Parts:** The internal components of the panel are not user-serviceable. Do not attempt to open or repair the unit yourself.

TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, consult your inverter's manual or contact technical support.

Problem	Possible Cause	Solution
Panel display is off.	No power supply; Loose connection.	Check power to the inverter; Verify panel wiring connections.

Problem	Possible Cause	Solution
Speed adjustment not responding.	Potentiometer issue; Inverter not in external control mode.	Ensure potentiometer is functioning; Check inverter settings to confirm external control mode is active.
Error code displayed.	Protection triggered (over current, over voltage, etc.).	Refer to your inverter's manual for specific error code meanings and corrective actions. Address the underlying cause.

SPECIFICATIONS

Feature	Detail
Model Number	OP-VB2 133B2036
Manufacturer	Aoleaby
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	1.1 pounds
Number of Pieces	1
Assembly Required	No

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your inverter system or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

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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

Email

you@example.com

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.

Submit question