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› Bolisila Adjustable Lab DC Power Supply User Manual

Bolisila TP1203 Black

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Model: TP1203 Black

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your Bolisila Adjustable Lab DC Power Supply, Model TP1203 Black. This device is designed to provide a stable and adjustable DC power source for various laboratory and industrial applications. Please read this manual thoroughly before operation to ensure proper usage and to prevent damage to the unit or injury.

PRODUCT OVERVIEW

The Bolisila TP1203 Black is an adjustable DC power supply capable of delivering up to 120V and 3A. It features a clear digital display for voltage, current, and power output, along with controls for precise adjustment. Key features include high efficiency, precise control, simple installation, and low maintenance requirements.

DC power supply

Models:TPS1203

120V 3A 360W



Figure 1: Front view of the Bolisila TP1203 Black DC Power Supply, highlighting its 120V 3A 360W capabilities.

SAFETY PRECAUTIONS

- Always connect the power supply to a grounded outlet.
- Do not operate the device in wet or damp conditions.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not open the casing; there are no user-serviceable parts inside.
- Disconnect power before making any connections or disconnections to the output terminals.
- Observe polarity when connecting loads to the output terminals.

SETUP

Unpacking and Inspection

1. Carefully remove the power supply from its packaging.

2. Inspect the unit for any signs of physical damage. If damage is found, do not operate the unit and contact customer support.
3. Verify that all accessories listed in the packing list are present.

Connecting to Power

- Ensure the power switch on the front panel is in the OFF position.
- Connect the provided AC power cord to the power input socket on the rear of the unit.
- Plug the other end of the AC power cord into a suitable grounded electrical outlet.

Connecting a Load

- Before connecting any load, ensure the power supply is turned off and the output voltage/current controls are set to their minimum values.
- Connect the positive (+) terminal of your load to the red output terminal on the power supply.
- Connect the negative (-) terminal of your load to the black output terminal on the power supply.
- If grounding is required for your application, connect the ground terminal (green) to the appropriate ground point on your load or circuit.

OPERATING INSTRUCTIONS

Turning On/Off

- To turn on the power supply, press the power switch located on the front panel. The digital display will illuminate.
- To turn off the power supply, press the power switch again.

Adjusting Voltage and Current

- **Voltage Adjustment:** Use the voltage adjustment knob (typically labeled 'V' or 'Voltage') to set the desired output voltage. Rotate clockwise to increase voltage, counter-clockwise to decrease.
- **Current Adjustment:** Use the current adjustment knob (typically labeled 'A' or 'Current') to set the desired output current limit. This acts as a current limiting feature to protect your load. Rotate clockwise to increase the current limit, counter-clockwise to decrease.

Understanding the Display

The digital display provides real-time readings of the output voltage, current, and power. It may also indicate the operating mode (Constant Voltage - C.V. or Constant Current - C.C.) and Over Current Protection (OCP) status.



Figure 2: Example of the digital display showing voltage, current, and power output readings.

Over Current Protection (OCP)

The OCP feature protects the power supply and the connected load from excessive current. If the output current exceeds the set limit, the OCP will activate, and the output may shut down or limit the current. Refer to the specific model's button layout for OCP activation/deactivation if applicable.

MAINTENANCE

Cleaning

- Before cleaning, ensure the power supply is turned off and disconnected from the main power outlet.
- Use a soft, dry cloth to wipe the exterior of the unit.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the casing or display.
- Keep ventilation openings clear of dust and debris.

Storage

- Store the power supply in a cool, dry place away from direct sunlight and extreme temperatures.
- Protect the unit from dust and moisture when not in use for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Display off	Power cord not connected; Power switch off; No power from outlet.	Check power cord connection; Ensure power switch is ON; Test outlet with another device.

Problem	Possible Cause	Solution
No output voltage/current	Output terminals not connected; Voltage/Current knobs set to minimum; OCP activated.	Verify load connections; Adjust voltage/current knobs; Check OCP status and reset if necessary.
Output voltage/current unstable	Loose connections; Overload condition; Faulty load.	Secure all connections; Reduce load or check current limit setting; Test with a different load.

SPECIFICATIONS

Feature	Detail
Brand	Bolisila
Model Name	TP1203 Black
Output Power	201 - 300W (as per product description, though 120V*3A=360W for this model)
Output Current	0-10A (as per product description, though 3A for this model)
Item Weight	2.2 pounds (1000 Grams)
Package Dimensions	0.39 x 0.39 x 0.39 inches
Manufacturer	Bolisila
Country of Origin	China

Note: Specific output voltage and current ranges may vary by model variant. This manual pertains to the TP1203 Black model (120V 3A).

WARRANTY AND SUPPORT

Return Policy

The product is subject to a 30-day return policy for refund or replacement, as per the seller's terms.

Protection Plans

Extended protection plans may be available for purchase separately. Please refer to the product listing or contact your retailer for details on 3-Year and 4-Year protection plans.

Manufacturer Support

For technical assistance or inquiries regarding your Bolisila product, please contact the manufacturer or your point of purchase. Keep your purchase receipt and product model information handy when seeking support.

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

Open the live page

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