

Chieftec BDF-1000C

Chieftec Proton Series 1000W BDF-1000C Power Supply Unit

INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Chieftec Proton Series 1000W BDF-1000C Power Supply Unit (PSU). Please read this manual thoroughly before installation and keep it for future reference. This PSU is designed to provide stable and efficient power to your personal computer system.

2. Safety Instructions

- **High Voltage Warning:** The PSU contains high voltage components. Do not open the PSU casing. There are no user-serviceable parts inside. Opening the casing will void the warranty and poses a risk of electric shock.
- Ensure the power supply is disconnected from the AC power outlet before installation, removal, or any maintenance.
- Install the PSU in a well-ventilated area, away from heat sources, direct sunlight, and moisture.
- This product is designed for indoor use only.
- Use only the modular cables provided with this Chieftec PSU. Using third-party or incompatible cables may damage the PSU and connected components.
- Do not insert any objects into the fan grille or ventilation openings.
- Keep the PSU out of reach of children.

3. Package Contents

Please check the contents of your package. If any items are missing or damaged, contact your retailer.

- Chieftec Proton Series 1000W BDF-1000C Power Supply Unit
- Modular Cable Set (ATX 24-pin, CPU 4+4-pin, PCIe 6+2-pin, SATA, Molex)
- AC Power Cord
- Mounting Screws
- Instruction Manual (this document)

4. Setup and Installation

Before proceeding with the installation, ensure your computer case is compatible with ATX form factor power supplies and that you have sufficient space for cable management.

4.1 Physical Installation

1. **Prepare the Case:** Turn off and unplug your computer. Open the side panel of your computer case.
2. **Mount the PSU:** Carefully slide the Chieftec BDF-1000C PSU into the designated power supply bay in your computer case. Ensure the fan is facing the correct direction for optimal airflow (usually facing down if there's a bottom vent, or up if there isn't). Secure the PSU to the case using the provided mounting screws.
3. **Connect Modular Cables:** Identify the necessary modular cables for your system components.
 - **ATX 24-pin:** Connect to the motherboard's main power connector.
 - **CPU 4+4-pin (EPS12V):** Connect to the motherboard's CPU power connector. Modern motherboards may require an 8-pin or two 4-pin connectors.
 - **PCIe 6+2-pin:** Connect to your graphics card(s). Each graphics card may require one or more of these connectors.
 - **SATA:** Connect to SATA hard drives, SSDs, and optical drives.
 - **Molex (Peripheral):** Connect to older peripherals or case fans if needed.

Refer to the image below for a visual guide to the modular connectors on the PSU.



Image: Side view of the Chieftec Proton Series 1000W PSU, highlighting the modular cable connection ports labeled for PCIe, CPU, SATA, and MB (Motherboard).

4. **Cable Management:** Route the cables neatly to ensure proper airflow within the case.
5. **Close Case:** Once all connections are secure, close the computer case.
6. **Connect AC Power:** Plug the AC power cord into the PSU's power inlet and then into a wall outlet or surge protector.

5. Operating Instructions

1. **Power On:** Ensure all connections are secure and the AC power cord is plugged in. Flip the power switch on the back of the PSU to the "ON" (I) position.
2. **System Start-up:** Press the power button on your computer case. The PSU fan should begin to spin, and your system should initiate the boot process.
3. **Normal Operation:** The Chieftec BDF-1000C PSU is designed for continuous operation. Its fan will adjust speed based on temperature and load to maintain optimal cooling and noise levels.
4. **Power Off:** To shut down your system, use the operating system's shutdown procedure. For a complete power cycle, also flip the PSU's power switch to the "OFF" (O) position and unplug the AC power cord.

6. Maintenance

- **Cleaning:** Periodically clean the exterior of the PSU and its fan grille to prevent dust buildup, which can impede airflow and reduce cooling efficiency. Use a can of compressed air to gently blow dust out of the fan and vents. **Always disconnect the AC power cord before cleaning.**
- **Environment:** Ensure the PSU operates in a clean, dry, and well-ventilated environment. Avoid extreme temperatures and humidity.
- **No User Serviceable Parts:** Do not attempt to open or repair the PSU. Any internal repairs should only be performed by authorized service personnel.

7. Troubleshooting

If you encounter issues with your Chieftec BDF-1000C PSU, refer to the following common troubleshooting steps:

- **No Power:**
 - Check if the AC power cord is securely plugged into both the PSU and the wall outlet.
 - Ensure the power switch on the back of the PSU is in the "ON" (I) position.
 - Verify the wall outlet is functional by plugging in another device.
 - Check all modular cable connections (24-pin ATX, CPU, PCIe) to ensure they are firmly seated.
- **System Instability/Random Shutdowns:**
 - Ensure the PSU is adequately ventilated and not overheating.
 - Verify that the total power draw of your components does not exceed the PSU's 1000W capacity.
 - Check for loose cable connections.
- **Unusual Noises:**
 - A slight fan noise is normal. If you hear grinding or excessive noise, ensure no cables are obstructing the fan.
 - If the noise persists and is abnormal, discontinue use and contact support.

If these steps do not resolve the issue, please contact Chieftec customer support or your retailer for further assistance.

8. Specifications

Feature	Detail
Model Number	BDF-1000C
Brand	Chieftec
Output Wattage	1000 Watts
Form Factor	ATX
Dimensions (L x W x H)	5.91 x 5.51 x 3.43 inches (150 x 140 x 87 mm)
Item Weight	2.2 pounds (1 Kilogram)
Cooling Method	Air (1 Fan)
Connector Type	ATX (Modular)
Compatible Devices	Personal Computer



Image: Top-down view of the Chieftec Proton Series 1000W PSU, showing the fan grille and modular cable ports.

9. Warranty and Support

Chieftec products are manufactured to high quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official Chieftec website. For technical support or service inquiries, please contact Chieftec customer service through their official channels.

Official Chieftec Website: www.chieftec.eu

