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› Lian Li Edge Series 1000W Platinum ATX Power Supply User Manual

Lian Li EG1000BE.US

Lian Li Edge Series 1000W Platinum ATX Power Supply User Manual

Model: EG1000BE.US | Brand: Lian Li

1. INTRODUCTION AND OVERVIEW

The Lian Li Edge Series 1000W Full Modular Power Supply is engineered for high performance and optimal cable management, especially in dual-chamber PC cases. It boasts 80 Plus Platinum efficiency, ATX 3.0/3.1 and PCIe 5.1 compliance, and an innovative L-shape design. This manual provides essential information for installation, operation, maintenance, and troubleshooting.



Figure 1: Lian Li Edge Series 1000W Platinum Power Supply.

2. KEY FEATURES

- **L-Shape Design:** Optimized for dual-chamber cases, allowing for direct cable connection access and simplified cable management.
- **80 PLUS Platinum Efficiency:** Ensures high power efficiency, reducing heat generation and operating costs.
- **ATX 3.0/3.1 Compliant:** Meets the latest power supply specifications for compatibility with modern components.
- **PCIe 5.1 Ready:** Features in-house R&D 12V-2x6 alloy copper soldered terminals for secure and efficient power delivery to high-power GPUs.
- **Built-in USB Expansion Hub:** Includes 4 internal USB 2.0 headers, simplifying connections for various USB devices like fans and RGB controllers.
- **120mm FDB Fan:** Equipped with a Fluid Dynamic Bearing fan for quiet and efficient cooling.
- **Industrial-Grade Capacitors:** Integrates German EPCOS capacitors for robust performance and high temperature tolerance.
- **Premium Braided Sleeved Cables:** Comes with high-quality braided cables and cable combs for a clean and

organized build.

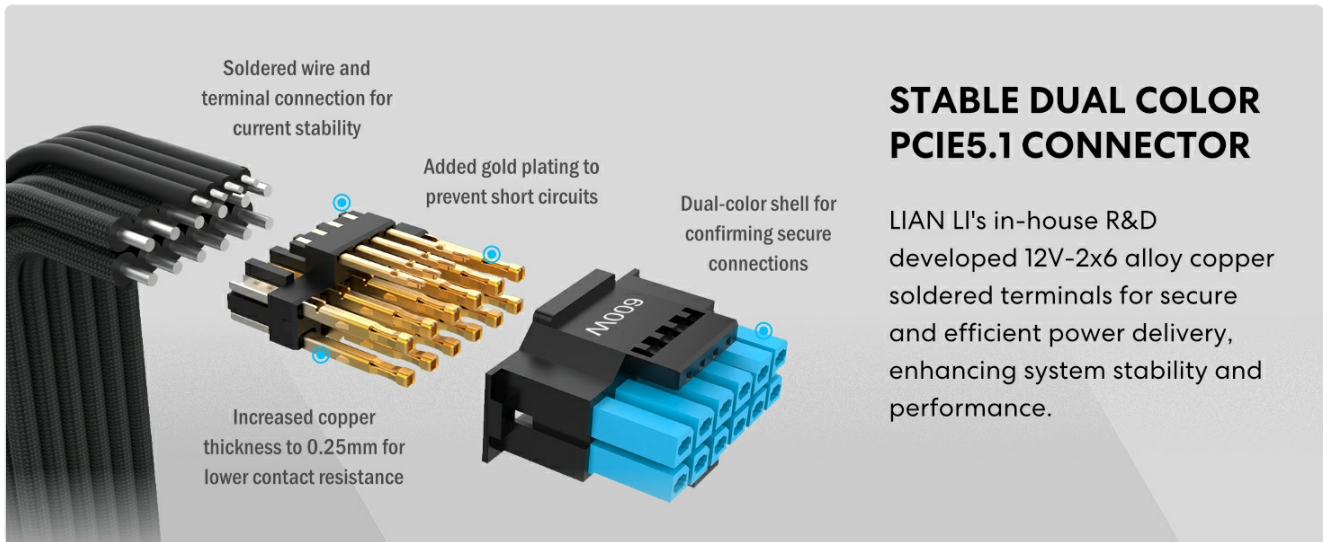


Figure 2: The Edge Series PSU is fully compliant with ATX 3.0 and 3.1 standards.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. Follow these steps carefully.

3.1 Physical Installation

The L-shape design of the Edge Series PSU is specifically tailored for dual-chamber cases, allowing the modular cable connections to face outwards for easier access and cleaner routing.

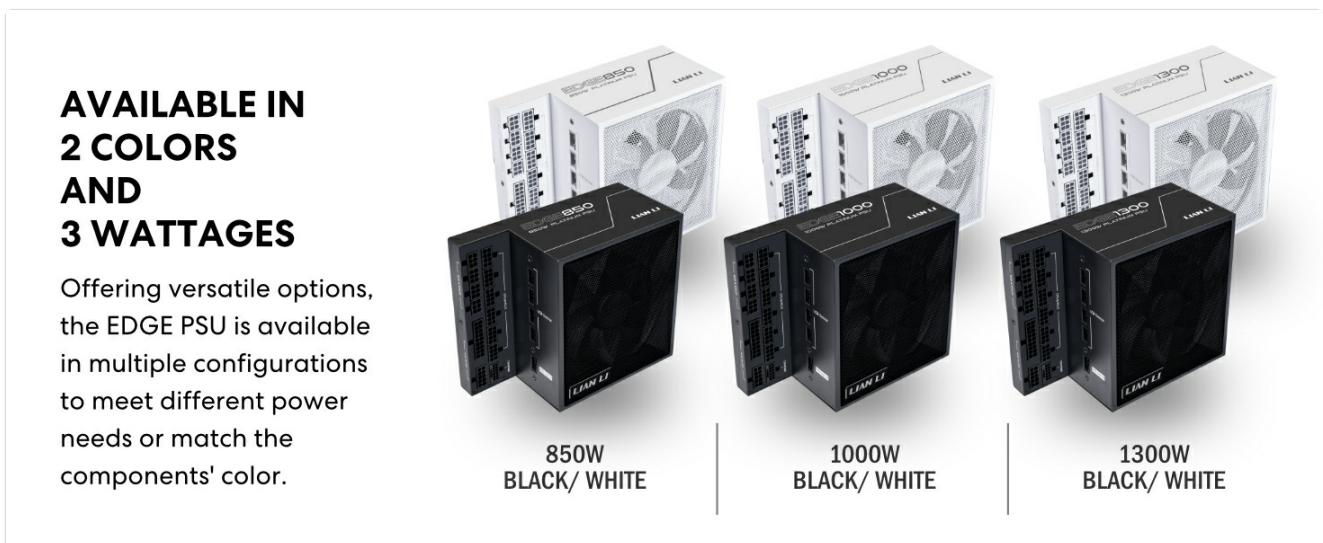


Figure 3: The L-shape design facilitates vertical installation and cable management in dual-chamber chassis.

1. **Mount the PSU:** Secure the PSU in its designated bay within your PC case. For dual-chamber cases, ensure the L-shape aligns correctly for outward-facing ports.
2. **Connect Main Power Cables:** Begin by connecting the 24-pin ATX motherboard cable to the PSU and then to your motherboard.
3. **Connect CPU Power Cables:** Attach the CPU (EPS) power cables to the PSU and then to the corresponding ports on your motherboard.
4. **Connect PCIe Power Cables:** For your graphics card(s), use the provided PCIe 5.1 12V-2x6 cable or standard PCIe 6+2 pin cables. Ensure a firm connection, especially for the 12V-2x6 connector, checking for the absence of blue color indicating a proper connection.
5. **Connect SATA/Molex Cables:** Use the appropriate SATA or Molex cables for your storage drives and other

peripherals. The PSU includes Y-Type and Close-Type SATA cables for various needs.



Figure 4: The PSU comes with premium braided sleeved cables and cable combs for a clean build.

3.2 USB Expansion Hub Connection

The integrated USB hub simplifies connecting multiple internal USB devices without needing additional motherboard headers or external hubs.



Figure 5: The Edge Series integrates a 4x 9-pin internal USB expansion hub.

1. **Connect to Motherboard:** Use the provided standard internal USB connector or USB Type A connector to link the PSU's MB Signal port to your motherboard's USB 2.0 header.
2. **Connect USB Devices:** Utilize the four USB Device ports on the PSU to connect your UNI FANS, Strimer Plus, RGB controllers, or other USB 2.0 devices. Port #1 provides 1 USB signal, while ports #2/3/4 each provide 2 USB signals, allowing for up to 7 USB devices with a 1-to-2 splitter cable.

Video 1: Watch this video for a detailed guide on setting up the Lian Li Edge PSU, including physical installation and cable management tips for dual-chamber cases.

The video demonstrates the ease of installation due to the L-shape design, which allows for direct access to modular ports from the side compartment of dual-chamber cases. It highlights how the integrated USB hub eliminates the need for separate USB splitters, simplifying cable routing and reducing clutter. The presenter also showcases the quality of the braided cables and the importance of proper connection for the 12V-2x6 GPU cable.

4. OPERATING INSTRUCTIONS

Once installed, the Lian Li Edge Series PSU operates automatically. It features a fanless mode for silent operation under low to moderate loads.

- **Fan Operation:** The 120mm FDB fan will remain off under low power consumption for silent operation. As the load increases, the fan will automatically spin up to maintain optimal temperatures.
- **USB Hub Power:** All USB ports on the expansion hub feature uninterruptible power, meaning connected devices can remain operational even when the PC is turned off, as long as the power supply is still receiving power from the wall outlet. Each port supports a rate current of 500mA.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and stable performance of your power supply.

- **Dust Cleaning:** Periodically clean the PSU's fan grille and surrounding areas to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air for best results.
- **Cable Check:** Ensure all modular cables are securely connected to both the PSU and your components. Loose connections can cause instability or damage.
- **Environment:** Operate the PSU in a well-ventilated environment to prevent excessive heat buildup.

6. TROUBLESHOOTING

If you encounter issues with your power supply, try these basic troubleshooting steps:

- **No Power:** Ensure the power cable is securely plugged into both the PSU and the wall outlet. Check the power switch on the PSU is in the 'ON' position. Verify your wall outlet is functional.
- **System Instability/Crashes:** Re-check all modular cable connections, especially the 24-pin, CPU, and PCIe cables. Ensure the 12V-2x6 cable is fully seated and the blue tab is not visible.
- **Fan Not Spinning:** The PSU features a fanless mode. The fan will only spin when the load reaches a certain threshold. If the system is under load and the fan is still not spinning, ensure there are no obstructions.
- **USB Devices Not Detected:** Verify the MB Signal cable from the PSU's USB hub is correctly connected to a USB 2.0 header on your motherboard. Check connections of all USB devices to the PSU's hub.

If problems persist after attempting these steps, please refer to the Warranty & Support section for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Name	EG1000BE.US
Output Wattage	1000 Watts
Efficiency Rating	80 PLUS Platinum
ATX Compliance	ATX 3.0/3.1
PCIe Compliance	PCIe 5.1 (12V-2x6)
Form Factor	ATX (L-Shape Design)
Cooling Method	Air (120mm FDB Fan)
USB Hub	Built-in with 4 internal USB 2.0 headers
Product Dimensions	9.53 x 6.93 x 4.02 inches
Item Weight	3.86 pounds

8. WARRANTY AND SUPPORT

The Lian Li Edge Series Power Supply comes with a **10-year warranty**, ensuring long-term reliability and peace of mind. For warranty claims, technical support, or further inquiries, please visit the official Lian Li website or contact

their customer service directly.

Official Website: www.lian-li.com

Please retain your proof of purchase for warranty validation.