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Lian Li EG1200G.BH

Lian Li EDGE1200W ATX Power Supply User Manual

MODEL: EG1200G.BH

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Lian Li EDGE1200W Fully Modular Low-Noise ATX Power Supply. Designed for high-performance PC systems, this power supply unit (PSU) offers advanced features and robust power delivery. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. Safety Information

- Always disconnect the power supply from the AC outlet before installation or maintenance.
- Do not open the PSU casing. High voltages are present inside, and opening it will void the warranty.
- Ensure proper grounding to prevent electrical hazards.
- Install the PSU in a well-ventilated area, away from heat sources and moisture.
- Use only the modular cables provided with this PSU. Using incompatible cables may cause damage.

3. Product Features

- **Integration with USB/Fan Hub Module:** Enhance your setup with an EDGE Hub supporting four devices and up to eight downstream connections, ideal for RGB controllers. The USB/Fan Hub features six 4-pin connectors, each rated for 2A, ensuring optimal cooling power. Designed to work seamlessly with any case, PSU, or motherboard, providing unmatched flexibility.
- **50/40 Series Ready:** 12V-2X6 Connector for NVIDIA GeForce RTX 50 and 40 Series graphics cards. The EG1200G includes dual 8-pin to 12VHPWR connectors, ensuring broader compatibility.
- **ATX 3.1 Compliant:** Ensures stable, efficient power delivery for high-performance PC components, supporting PCIe 5.1 with enhanced resistance to transient power spikes.
- **High Efficiency & Low Noise:** Certified with 80 PLUS Gold and Cybenetics Gold for efficiency, ensuring optimal performance without the distraction of noise.
- **Magnet Dust Filter Mesh:** This magnetic design allows for easy removal of the front dust mesh for cleaning,

ensuring hassle-free maintenance. The mesh not only preserves the structural safety of the power supply but also ensures quiet fan operation.

4. Package Contents

Verify that all items are present in your package:

- Lian Li EDGE1200W ATX Power Supply
- Modular Braided Cable Set (including 12V-2x6 cable)
- USB/Fan Hub Module
- AC Power Cord
- Mounting Screws
- Cable Ties
- User Manual

Video: Unboxing the Lian Li Edge Gold PSU. This video demonstrates the contents of the product packaging, including the power supply unit, modular cables, and accessories.

5. Setup & Installation

5.1. L-Shape Design and Cable Management

The unique L-shape design of the Lian Li EDGE1200W PSU reorients the modular connectors outwards, simplifying cable routing and management, especially in dual-chamber or tower chassis. This design promotes a cleaner build and improved airflow.



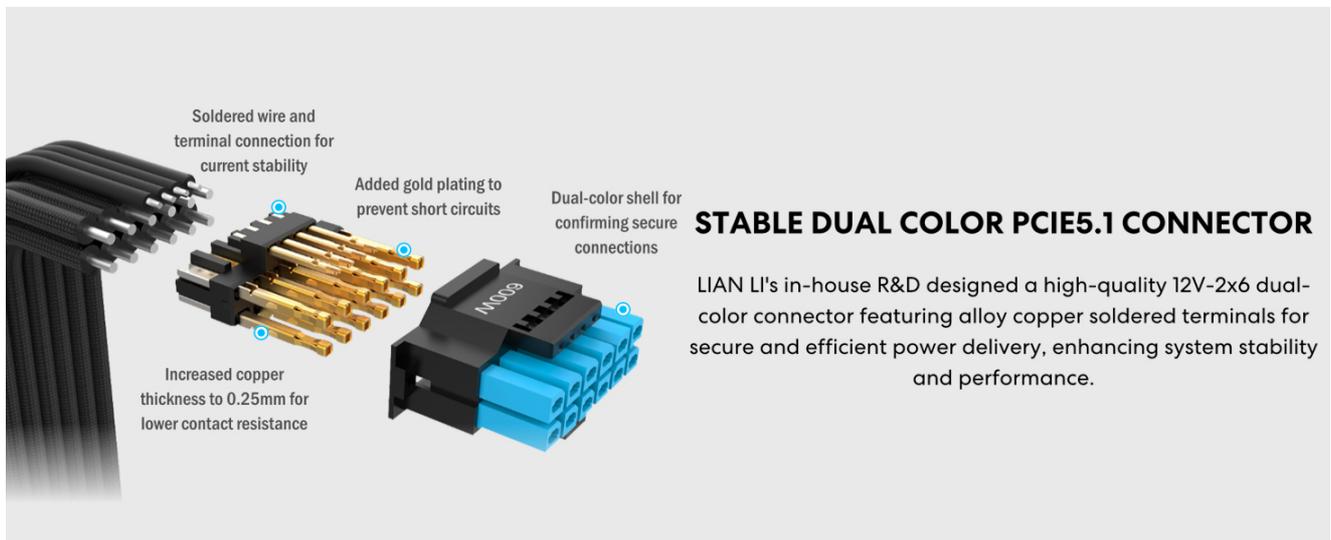
INDUSTRIAL GRADE CAPACITORS

The EDGE Gold PSU integrates the German EPCOS capacitors or same level Japanese capacitors, offering compact, robust performance with higher tolerances to harsh temperatures and environments.

Image: The innovative L-shape design of the PSU, showcasing its outward-facing modular connectors for enhanced cable management.

5.2. Modular Cables

The PSU comes with a full set of high-quality, braided modular cables, including the essential 12V-2x6 connector for modern GPUs. Cable combs are included to help maintain an organized and aesthetically pleasing build.



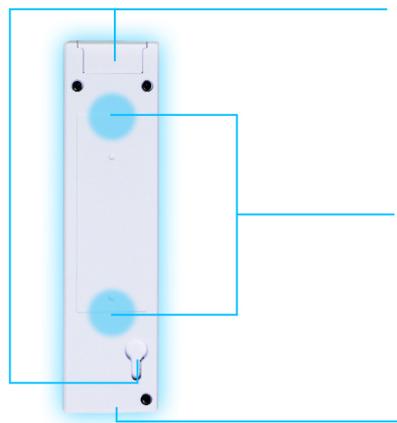
STABLE DUAL COLOR PCIE5.1 CONNECTOR

LIAN LI's in-house R&D designed a high-quality 12V-2x6 dual-color connector featuring alloy copper soldered terminals for secure and efficient power delivery, enhancing system stability and performance.

Image: A selection of the included modular cables, highlighting their braided texture and cable combs for neat organization.

5.3. USB/Fan Hub Module

The integrated USB/Fan Hub module can be directly attached to the PSU or used independently. It provides multiple 4-pin PWM fan connectors and USB 2.0 headers, centralizing control for various peripherals and cooling solutions. The magnetic design allows for flexible placement within your PC case.



EDGE PSU CONNECTOR

Remove the cap and attach the hub directly to the Edge PSU for power.

MAGNETIC DESIGN

Integrated magnets allow easy placement and accessibility inside the case.

INDEPENDENT POWER SUPPLY

Connect the hub to a PCIe 8-PIN cable for independent operation.

Image: Close-up view of the detachable USB/Fan Hub module, showing its various connectivity ports for fans and USB devices.

Video: A detailed review of the Lian Li EG1200G Edge Hub, demonstrating its features and installation options.

5.4. ATX 3.1 & PCIe 5.1 Compliance

This PSU is fully compliant with ATX 3.1 and PCIe 5.1 standards, ensuring compatibility and stable power delivery for the latest high-performance graphics cards and components. The 12V-2x6 connector is specifically designed for NVIDIA GeForce RTX 40 and 50 Series GPUs.

ATX 3.0 AND 3.1 COMPLIANT

The EDGE Gold series is fully compliant with ATX 3.0 and 3.1 standards and meets the latest power supply specifications, ensuring compatibility with the latest components and motherboards.



Image: Visual representation of the PSU's ATX 3.1 compliance, highlighting its robust design for modern systems.

6. Operating Instructions

The Lian Li EDGE1200W features an intelligent fan curve designed for quiet operation. During low loads, the fan may enter a 0 RPM mode, providing silent performance. The fan will automatically spin up as the system load increases to maintain optimal cooling.



Image: Graph illustrating the fan acoustic noise levels relative to power output, demonstrating the PSU's quiet operation.

7. Maintenance

7.1. Magnetic Dust Filter Cleaning

To maintain optimal performance and extend the lifespan of your PSU, regularly clean the magnetic dust filter. The filter can be easily removed from the top of the PSU for quick cleaning. Ensure the PSU is powered off and disconnected from the AC outlet before cleaning.



MAGNETIC DUST FILTER

The magnetic mesh dust filter on top of the fan can be easily removed for regular cleaning, ensuring dust-free operation. A high porosity of 66.9% ensures ample ventilation and airflow with quiet fan operation, extending the PSU's lifespan and reliability.

Image: The magnetic dust filter being removed from the PSU for cleaning, highlighting its ease of access.

8. Troubleshooting

If you encounter issues with your Lian Li EDGE1200W PSU, consider the following general troubleshooting steps:

- **No Power:** Ensure all power cables are securely connected, including the AC power cord, 24-pin motherboard connector, and CPU power connectors. Check the power switch on the PSU.
- **System Instability:** Verify that your PSU wattage is sufficient for all components. Ensure all modular cables are correctly seated.
- **Fan Not Spinning:** The PSU fan may operate in 0 RPM mode under low loads. If the system is under load and the fan is still not spinning, check for obstructions or contact customer support.
- **Component Compatibility:** Confirm that your components are compatible with ATX 3.1 and PCIe 5.1 standards, especially the GPU.

For persistent issues, refer to the official Lian Li support resources or contact their customer service.

9. Specifications

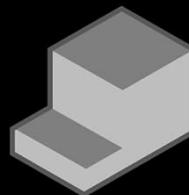
The EDGE Gold PSU series features a unique L-shape design, a removable USB and fan PWM hub, longer modular cables, and a conveniently removable dust filter. Experience efficient cable management in a dual chamber or tower chassis that blends aesthetics and convenience in your PC build.



80 PLUS
GOLD



CYBENETIC
PLATINUM



L-SHAPE
DESIGN



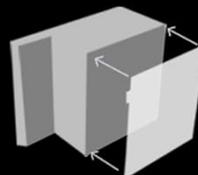
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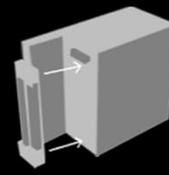
PCI-E 5.1



ATX 3.1



REMOVABLE
DUST FILTER



MODULAR
USB/PWM HUB

Image: Detailed specifications table for the Lian Li EDGE Gold PSU series, including wattage, dimensions, and connector types.

Lian Li EDGE1200W (EG1200G.BH) Key Specifications

Feature	Detail
Product Dimensions	7.17 x 3.39 x 5.91 inches
Item Weight	8.12 pounds (3.69 Kilograms)
Manufacturer	LIAN LI
Item Model Number	EG1200G.BH
Model Name	EG1200G.BH
Brand	Lian Li
Compatible Devices	Desktop
Connector Type	ATX
Output Wattage	1200 Watts
Form Factor	ATX
Cooling Method	Air

10. Warranty and Support

The Lian Li EDGE1200W Power Supply comes with a **10-Year Warranty**, ensuring long-term reliability and peace of mind. For detailed warranty terms and conditions, please refer to the official Lian Li website or the warranty card included in your package.

Additional protection plans are available for purchase:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Asurion Complete Protect (monthly billing)

For technical support, product inquiries, or warranty claims, please visit the official Lian Li support page or contact their customer service department through the contact information provided on their website.