

## LC-Power LC1000W

# LC-Power LC1000W 1000W 80+ Gold Full Modular ATX Power Supply User Manual

Model: LC1000W

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your LC-Power LC1000W 1000W 80+ Gold Full Modular ATX Power Supply. Please read this manual thoroughly before installation and retain it for future reference.

The LC-Power LC1000W is a high-performance 1000-watt power supply unit designed for personal computers, featuring 80 PLUS Gold efficiency, a full modular cable system, Active PFC, and a 120mm fan for quiet operation.

## 2. SAFETY INFORMATION

**WARNING: Improper installation or use can lead to equipment damage, electric shock, or serious injury. Only qualified personnel should attempt installation or servicing.**

- Do not open the power supply unit. High voltages are present inside, even when the unit is unplugged. There are no user-serviceable parts.
- Ensure the power supply is disconnected from the main power outlet before installation or maintenance.
- Install the power supply in a well-ventilated area. Do not block the fan or ventilation openings.
- Use only the modular cables provided with this power supply. Using incompatible cables can damage the PSU and connected components.
- Avoid exposing the power supply to moisture or extreme temperatures.
- Ensure all cables are securely connected before powering on the system.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- LC-Power LC1000W Power Supply Unit
- Modular Cable Set (see Section 4.2 for details)
- AC Power Cord
- Mounting Screws
- User Manual (this document)

## 4. SETUP AND INSTALLATION

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### 4.1 Physical Installation

1. Ensure your computer case is compatible with ATX form factor power supplies.
2. Position the power supply in the designated PSU bay of your computer case. Ensure the fan is oriented correctly for optimal airflow (typically facing downwards or upwards depending on case design).
3. Secure the power supply to the case using the provided mounting screws.



Figure 1: LC-Power LC1000W Power Supply overview with specifications.



Figure 2: LC-Power LC1000W Power Supply dimensions (150mm x 142mm x 86mm).

## 4.2 Modular Cable Connection

The LC1000W is a full modular power supply, allowing you to connect only the cables required for your system. This reduces cable clutter and improves airflow.

1. Identify the necessary cables for your motherboard, CPU, graphics card(s), and storage devices (SATA, PATA).
2. Connect the required modular cables to the corresponding ports on the power supply unit. Ensure a firm connection. The ports are labeled for clarity (M/B, CPU/PCI-E, PERIPHERAL/SATA).
3. Connect the other end of each cable to the respective components in your computer system.

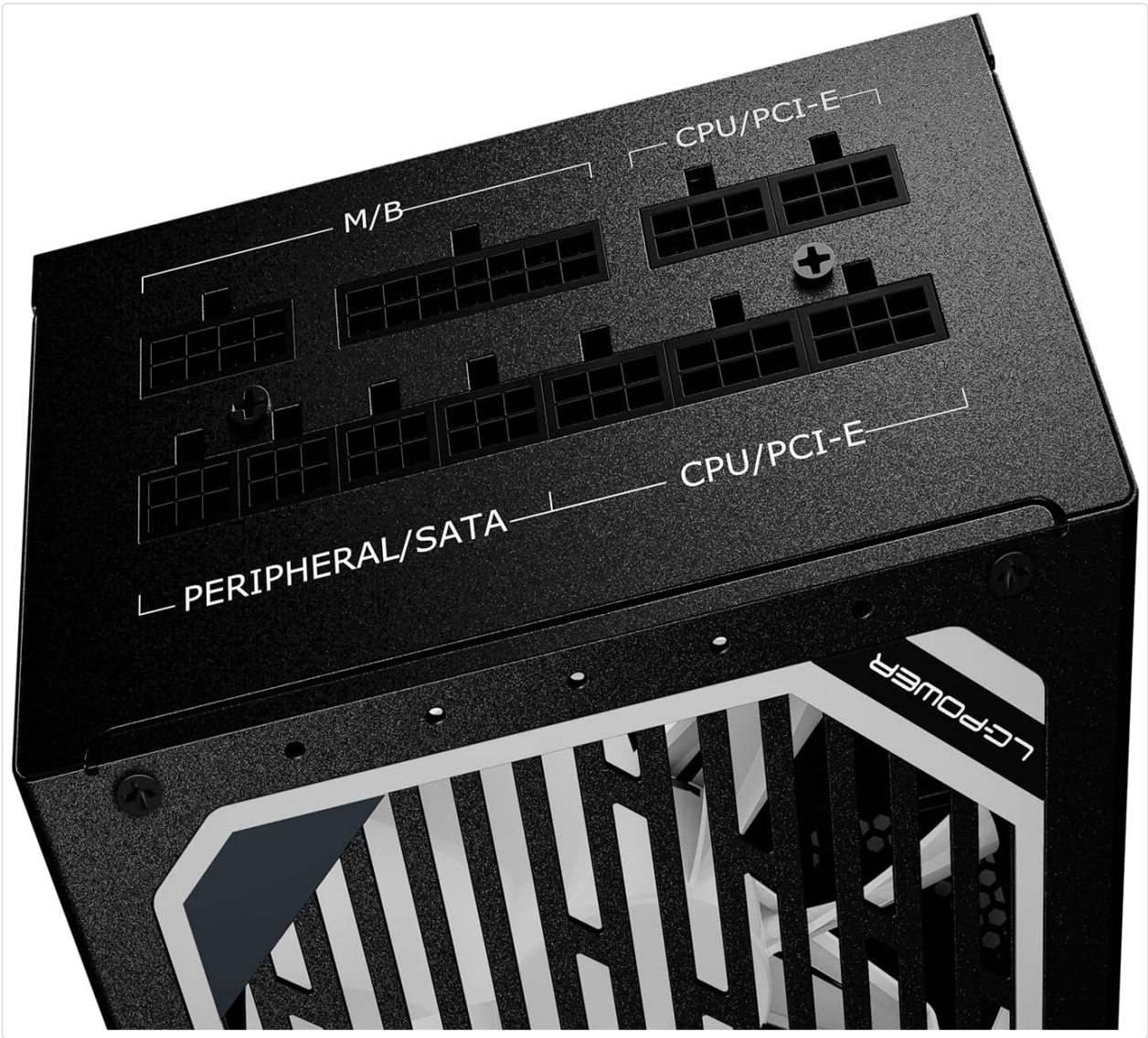


Figure 3: Modular cable connection ports on the LC-Power LC1000W.

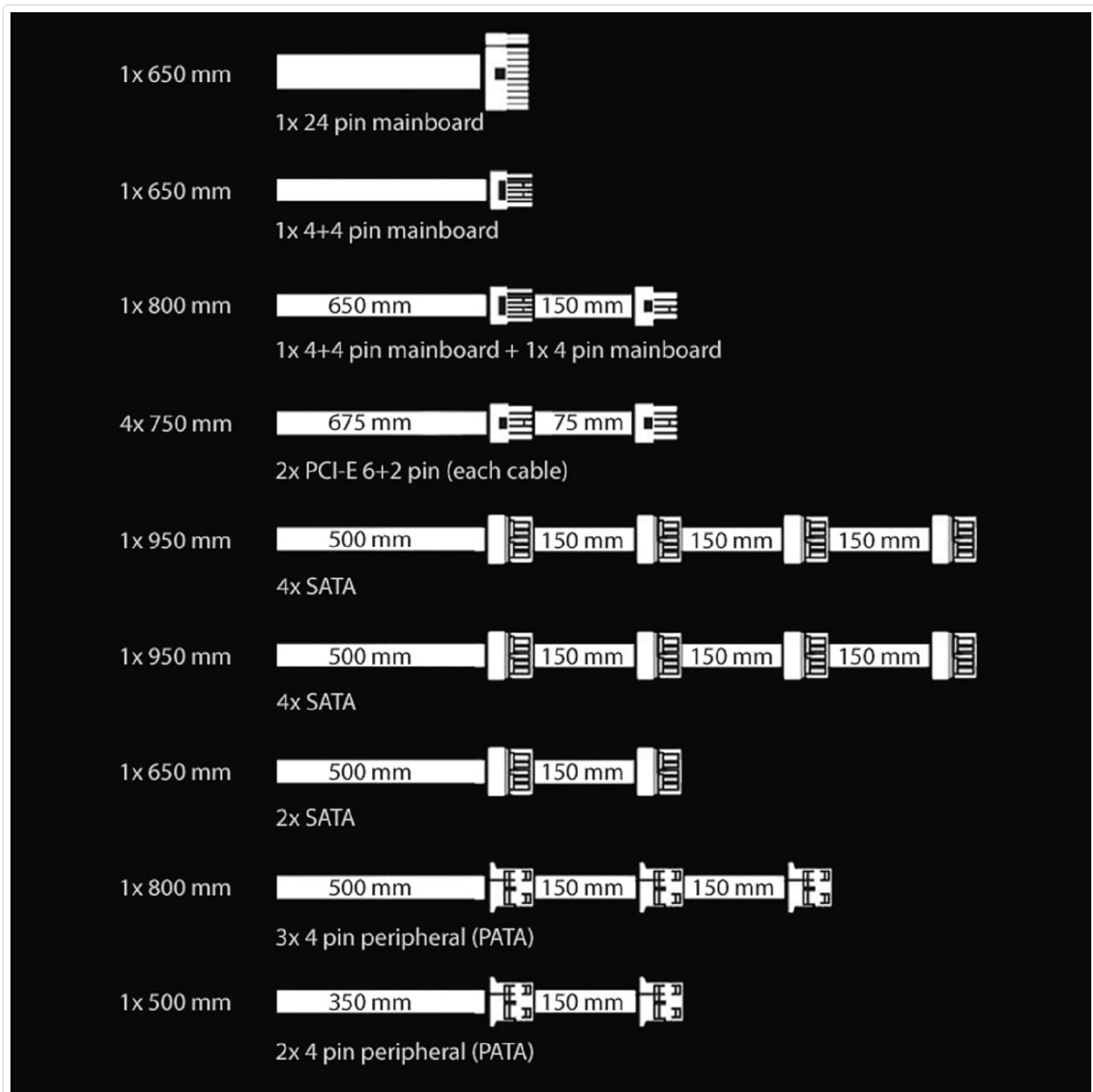


Figure 4: Overview of included modular cables and their lengths.

### 4.3 Power Connection

1. Connect the AC power cord to the power supply's AC inlet.
2. Ensure the power switch on the back of the PSU is in the 'OFF' (0) position.
3. Plug the other end of the AC power cord into a grounded wall outlet or surge protector.

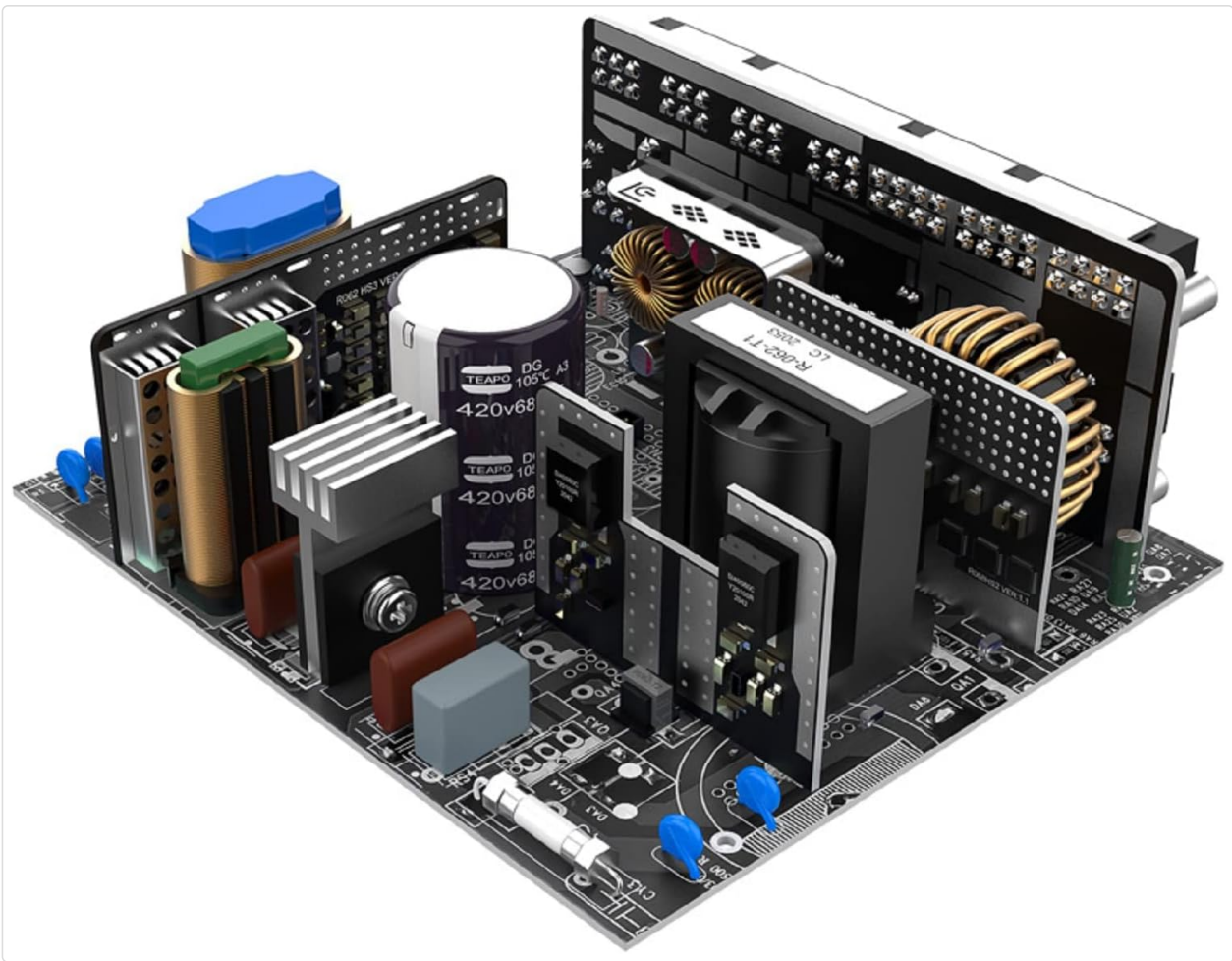


Figure 5: Rear view of the power supply with AC inlet and power switch.

## 5. OPERATING INSTRUCTIONS

1. After completing all cable connections, ensure the power switch on the PSU is in the 'ON' (I) position.
2. Power on your computer system using the case's power button.
3. The 120mm fan will operate to cool the power supply. The fan speed is automatically regulated based on the PSU's temperature and load to maintain optimal cooling and minimize noise.

## 6. MAINTENANCE

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

- **Cleaning:** Periodically clean the exterior of the power supply and its fan grille to prevent dust buildup. Use compressed air to gently clear dust from the fan blades and heatsinks. Always disconnect the power supply from the wall outlet before cleaning.
- **Cable Management:** Ensure cables are neatly routed and do not obstruct airflow within the computer case.
- **Environmental Conditions:** Operate the power supply within its specified temperature and humidity ranges.

## 7. TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
System does not power on.	Power cord not connected, PSU switch off, faulty component, loose cable connections.	Check AC power cord connection. Ensure PSU switch is 'ON' (I). Verify all modular cables are securely connected. Test with another power outlet.
System powers on but shuts down immediately.	Overload, short circuit, overheating, faulty component.	Reduce system load. Check for short circuits (e.g., loose screws). Ensure adequate ventilation.
Loud fan noise.	Dust buildup, high load/temperature.	Clean the fan and fan grille. Ensure proper airflow in the case. Fan speed increases under higher load, which is normal.
Burning smell or smoke.	Internal component failure.	<b>Immediately disconnect power from the wall outlet. Do not attempt to use the PSU. Contact customer support.</b>

If the problem persists after attempting these solutions, contact LC-Power customer support or your retailer for assistance.

## 8. SPECIFICATIONS

Detailed specifications for the LC-Power LC1000W Power Supply:

Feature	Specification
Brand	LC-Power
Model Number	LC1000W
Output Wattage	1000 Watts
Efficiency Certification	80 PLUS Gold
Form Factor	ATX
Power Supply Design	Full Modular
Cooling Method	Air
Fan Size	120 Millimeters
Fan Count	1
Minimum Input Voltage	220 Volts
Maximum Input Voltage	220 Volts
Item Weight	2.66 Kilograms
Compatible Devices	Personal Computer
Connector Types	ATX, EPS, PCI-Express

Feature	Specification
UPC	732072965955



Figure 6: Internal components of the LC-Power LC1000W Power Supply.

## 9. WARRANTY AND SUPPORT

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

Please retain your proof of purchase for warranty claims.