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LC-Power LC6550V23

LC-Power LC6550V23 550W ATX Power Supply User Manual

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your LC-Power LC6550V23 550W ATX Power Supply. Please read this manual thoroughly before installation and retain it for future reference. This power supply is designed to provide stable and efficient power to personal computer systems.

2. Safety Information

- Always disconnect the power supply from the AC outlet before installation or maintenance.
- Do not open the power supply unit. High voltages are present inside, and there are no user-serviceable parts. Opening the unit will void the warranty.
- Ensure the power supply is installed in a well-ventilated area to prevent overheating.
- Use only the cables provided with the power supply.
- Avoid exposing the power supply to moisture or extreme temperatures.
- This product is intended for use in personal computer systems only.

3. Package Contents

Verify that your package contains the following items:

- LC-Power LC6550V23 550W ATX Power Supply Unit
- AC Power Cord
- Mounting Screws
- User Manual (this document)

4. Product Overview

The LC-Power LC6550V23 is a 550W ATX power supply featuring an efficient design and a 120mm fan for optimal cooling. It is compliant with ErP 2014 standards, indicating high energy efficiency.

Figure 4.1: Front view of the power supply with its 120mm fan.

Figure 4.2: Rear panel of the power supply, including the power switch and AC input.

Figure 4.3: Power supply unit with its full array of connection cables.

Figure 4.4: Efficiency compliance label.

5. Setup and Installation

Follow these steps to install the LC-Power LC6550V23 power supply into your computer system:

1. **Preparation:** Ensure your computer is completely powered off and unplugged from the wall outlet. Open your computer case.

2. **Remove Old PSU (if applicable):** Disconnect all cables from your old power supply to the motherboard, graphics card, drives, and other components. Unscrew and remove the old power supply from the case.
3. **Install New PSU:** Place the LC-Power LC6550V23 into the power supply bay of your computer case. Ensure the fan is oriented correctly for optimal airflow (typically facing downwards or inwards, depending on case design). Secure the power supply with the provided mounting screws.
4. **Connect Cables:**
    - **20+4 Pin ATX Main Power:** Connect this cable to the main power connector on your motherboard.
    - **4+4 Pin CPU Power:** Connect this cable to the CPU power connector on your motherboard.
    - **PCIe Power (if applicable):** If your graphics card requires additional power, connect the appropriate 6+2 pin PCIe power cables.
    - **SATA Power:** Connect SATA power cables to your hard drives, SSDs, and optical drives.
    - **Molex Power:** Connect Molex power cables to any peripherals that require them.
5. **Cable Management:** Route cables neatly to improve airflow and aesthetics within your case.
6. **Close Case:** Once all connections are secure, close your computer case.
7. **Final Connection:** Connect the AC power cord to the power supply and then plug it into a wall outlet.

6. Operating Instructions

After successful installation, follow these steps to operate your computer system with the new power supply:

1. Ensure the power switch on the rear of the power supply (refer to Figure 4.2) is in the 'ON' (I) position.
2. Press the power button on your computer case. The system should power on.
3. To power off your system, use the operating system's shutdown function. For a hard shutdown, press and hold the power button on your case. For complete power disconnection, switch the power supply to the 'OFF' (O) position and unplug the AC cord.

7. Maintenance

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

- **Dust Removal:** Periodically clean dust from the power supply's fan and ventilation grilles using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Cable Check:** Occasionally check that all power cables are securely connected to their respective components.
- **Environmental Conditions:** Operate the power supply in a clean, dry, and well-ventilated environment.

8. Troubleshooting

If you encounter issues with your power supply, refer to the following common troubleshooting steps:

- **No Power:**
    - Check if the AC power cord is securely plugged into both the wall outlet and the power supply.
    - Ensure the power switch on the rear of the power supply is in the 'ON' (I) position.
    - Verify that the main 20+4 pin ATX and 4+4 pin CPU power cables are correctly connected to the motherboard.

- Test the wall outlet with another device to ensure it has power.

- **System Instability/Random Shutdowns:**
  - Ensure the power supply is adequately ventilated and not overheating.
  - Check all power connections to components for looseness.
  - If the issue persists, the power supply may be insufficient for your system's components or faulty. Consider testing with another known-good power supply if possible.

- **Loud Fan Noise:**
  - Clean any dust accumulation from the fan blades and grille using compressed air.
  - Ensure no cables are obstructing the fan's rotation.

If these steps do not resolve the issue, contact LC-Power customer support or a qualified technician.

9. Specifications

Feature	Specification
Model Number	LC6550V23
Brand	LC-Power
Output Wattage	550 Watts
Form Factor	ATX
Connector Type	ATX
Cooling Method	Air
Fan Size	120 Millimeters
Product Dimensions (L x W x H)	5.51 x 5.91 x 3.39 inches
Item Weight	3.86 pounds (1752 Grams)
Compatible Devices	Personal Computer

10. Warranty and Support

For warranty information, technical support, or service inquiries, please visit the official LC-Power website or contact your local retailer. Keep your proof of purchase for warranty claims.

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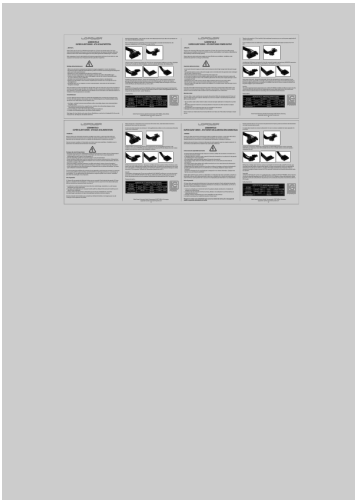
For more information, visit LC-Power Store on Amazon

Related Documents - LC6550V23

	[LC1000P V3.1 Platinum Series ATX Power Supply - Features, Specs, and Safety] Comprehensive overview of the LC-Power LC1000P V3.1 1000W 80 PLUS Platinum ATX power supply unit, detailing its features, technical specifications, connectivity options, safety guidelines, and warranty information.
	[LC850P2 V3.1 850W 80 PLUS Platinum ATX Power Supply Unit] Detailed information on the LC-Power LC850P2 V3.1, an 850W 80 PLUS Platinum certified ATX power supply unit with high efficiency, silent cooling, and comprehensive connectivity for modern PC builds. Includes specifications, safety instructions, and warranty details.
	[LC-Power LC850P V3.1 Platinum Series 850W ATX Power Supply] Comprehensive guide to the LC-Power LC850P V3.1 Platinum Series 850W ATX power supply, detailing its features, technical specifications, safety guidelines, and warranty information.
	[LC-Power LC6550 V2.3 Super Silent Series ATX Power Supply Unit] Detailed information on the LC-Power LC6550 V2.3 Super Silent Series ATX power supply unit, including features, specifications, safety instructions, and warranty information.
	[LC-Power LC1200P2 V3.1 1200W Platinum Pro Series ATX Power Supply] Detailed information on the LC-Power LC1200P2 V3.1 1200W Platinum Pro Series ATX power supply, featuring high efficiency, versatile connectors, advanced safety features, and a 10-year warranty.
	[LC-Power LC6450 V2.3 Super Silent Series ATX Power Supply - Technical Specifications and Safety] Detailed information on the LC-Power LC6450 V2.3 Super Silent Series ATX switching power supply, including technical specifications, safety guidelines, and warranty information.



LC-Power LC6550 V2.3 Super Silent Series ATX Power Supply Unit

Detailed information on the LC-Power LC6550 V2.3 Super Silent Series ATX power supply unit, including features, specifications, safety instructions, and warranty information.

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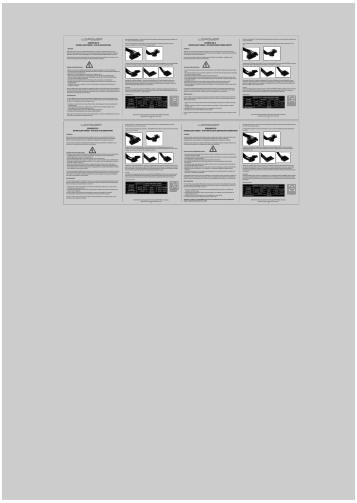

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