

HELIOS E1-750

HELIOS E1-750 Power Supply User Manual

750W ATX12V v2.53, 80 PLUS Certified

1. PRODUCT OVERVIEW

The HELIOS E1-750 is a 750-watt power supply unit designed to provide stable and efficient power to your desktop computer system. Featuring 80 PLUS certification, it ensures optimal power efficiency, reducing energy consumption and heat generation. Its flat black cables facilitate improved cable management and airflow within your PC case. This PSU is compatible with the ATX12V v2.53 standard, ensuring broad compatibility with modern motherboards and components.



Figure 1: Front view of the HELIOS E1-750 Power Supply, showing the 80 PLUS Silver certification and model branding.

Key Features:

- **Power Output:** Robust 750-watt power delivery for high-performance computing systems.
- **Efficiency Rating:** 80 PLUS certified for optimal power efficiency and reduced energy consumption.

- **Cable Design:** Flat black cables for improved cable management and enhanced internal airflow.
- **Compatibility:** Fully compatible with ATX12V v2.53 standard for broad system integration.
- **Form Factor:** Standard ATX design for seamless integration into most PC cases.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the power supply unit. Failure to follow these instructions may result in electric shock, fire, or damage to the product or other components.

- **Electrical Hazard:** This device operates with high voltage. Do not open the power supply casing. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- **Ventilation:** Ensure adequate ventilation around the power supply. Do not block any ventilation openings. Overheating can lead to component failure.
- **Moisture:** Do not expose the power supply to water or excessive humidity.
- **Installation:** Install the power supply in a well-ventilated area, away from direct sunlight and heat sources. Ensure all cables are connected securely before powering on the system.
- **Grounding:** Always use a properly grounded power outlet.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HELIOS E1-750 Power Supply Unit
- AC Power Cord
- Mounting Screws
- User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install the HELIOS E1-750 Power Supply into your desktop 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. Unscrew and remove the old PSU from the case.
3. **Install New PSU:** Carefully slide the HELIOS E1-750 into the power supply bay of your computer case. Align the screw holes and secure the PSU with the provided mounting screws.
4. **Connect Motherboard Power:** Connect the 20+4 pin ATX main power connector to your motherboard. Ensure it clicks into place.
5. **Connect CPU Power:** Connect the 4+4 pin EPS/ATX 12V connector to your motherboard's CPU power socket.
6. **Connect Graphics Card Power:** If your graphics card requires external power, connect the appropriate PCIe 6+2 pin connectors.
7. **Connect Peripherals:** Connect SATA power connectors to your storage drives (HDDs, SSDs) and other peripherals as needed. Connect Molex connectors for older devices if necessary.

8. **Cable Management:** Utilize the flat cable design to route cables neatly behind the motherboard tray or in other designated areas to improve airflow and aesthetics.
9. **Close Case:** Once all connections are secure and verified, close your computer case.
10. **Connect AC Power:** Connect the AC power cord to the power supply's inlet and then to a grounded wall outlet.

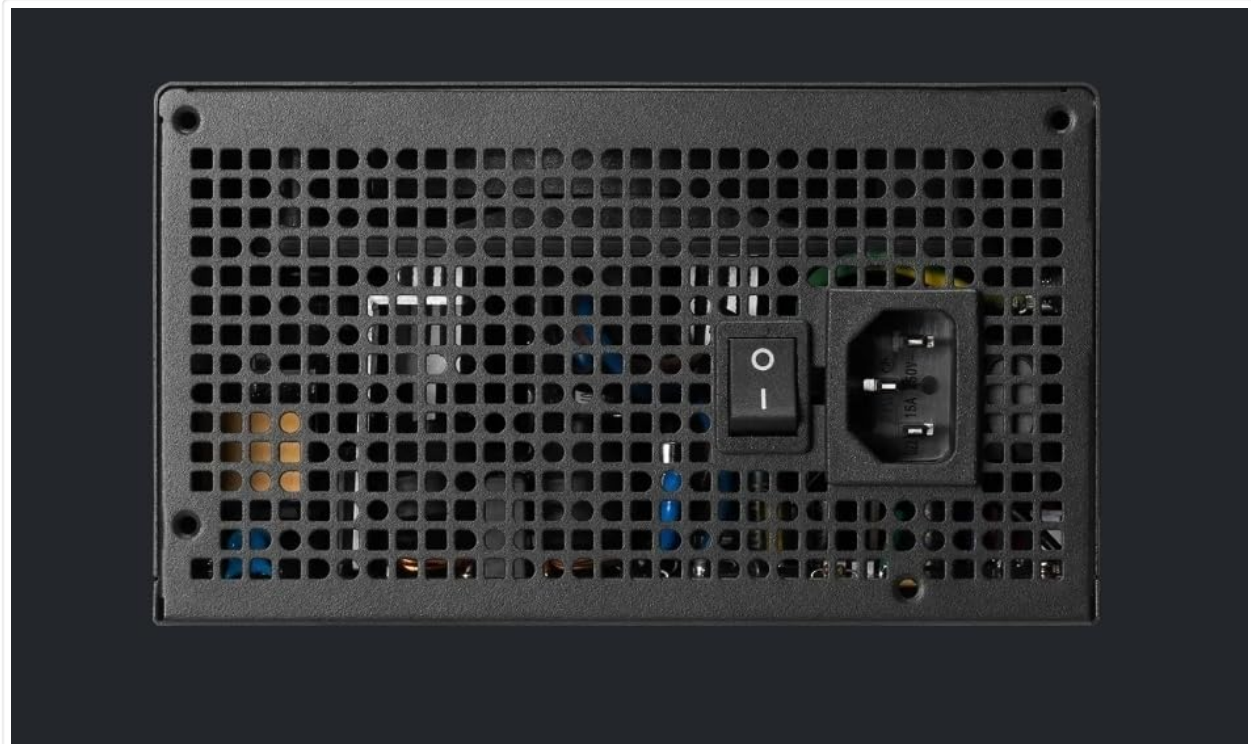


Figure 2: Rear view of the HELIOS E1-750 Power Supply, illustrating the AC power inlet and the main power switch.

5. OPERATING INSTRUCTIONS

After successful installation, follow these steps to operate your system with the HELIOS E1-750 Power Supply:

1. **Power Switch:** Ensure the power switch on the rear of the power supply (refer to Figure 2) is in the 'ON' (I) position.
2. **System Power On:** Press the power button on your computer case. The system should boot normally.
3. **Fan Operation:** The power supply fan will operate to cool the unit. Its speed may vary depending on the load and temperature.
4. **Power Off:** To power off your system, use the operating system's shutdown function. For complete power disconnection, switch the PSU's rear power switch to the 'OFF' (O) position and unplug the AC power cord.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power supply:

- **Dust Cleaning:** 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.
- **Ventilation Check:** Regularly check that the computer case has unobstructed airflow to prevent heat buildup.
- **Cable Integrity:** Ensure all power cables remain securely connected and are not pinched or damaged.

7. TROUBLESHOOTING

If you encounter issues with your HELIOS E1-750 Power Supply, consider the following:

- **No Power:**
 - Check if the AC power cord is securely connected to both the PSU and the wall outlet.
 - Ensure the power switch on the PSU's rear is in the 'ON' (I) position.
 - Verify that the 20+4 pin ATX and 4+4 pin CPU power connectors are firmly seated on the motherboard.
 - Test the wall outlet with another device to confirm it has power.
- **System Instability/Crashes:**
 - Ensure all power connectors to components (motherboard, CPU, GPU, drives) are correctly and securely attached.
 - Check for proper ventilation within the PC case to prevent overheating.
 - If issues persist, consult a qualified technician.
- **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 is persistent and abnormal, discontinue use and contact support.

8. SPECIFICATIONS

Feature	Specification
Brand	HELIOS
Model Name	E1-750
Output Wattage	750 Watts
Efficiency Rating	80 PLUS Certified
ATX Standard	ATX12V v2.53
Compatible Devices	Desktop Computer
Connector Type	ATX
Cooling Method	Fan
Item Dimensions (L x W x H)	16 x 15 x 8.6 centimetres
Item Weight	2500 Grams

9. WARRANTY AND SUPPORT





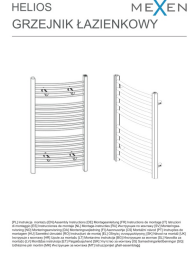
Manufacturer's Warranty: This product comes with a 3-month supplier warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage

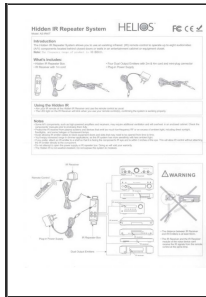
caused by accident, misuse, abuse, neglect, improper installation, or unauthorized modifications.

Claiming Warranty: To claim warranty service, please contact your retailer or the point of purchase with your proof of purchase.

Technical Support: For technical assistance or further inquiries, please refer to the contact information provided by your retailer or the official HELIOS support channels.

Related Documents - E1-750

	<p>HELIOS E1-600W Power Supply Installation Guide</p> <p>Step-by-step installation guide for the HELIOS E1-600W 80% efficiency computer power supply unit. Includes package contents, specifications, and detailed connection instructions.</p>
	<p>HELIOS P2 850G Power Supply Unit Quick Guide</p> <p>A concise guide to the HELIOS P2 850G 850W 80 PLUS Gold fully modular power supply unit, covering key features, technical specifications, installation overview, and safety precautions.</p>
	<p>Helios SR750HL 750W Power Supply/Float Charger User Manual</p> <p>This user manual provides detailed information on the Helios SR750HL 750W Power Supply and Float Charger. It covers safety precautions, product features, technical specifications, operational guidelines, model coding, and warranty information for lead acid battery applications.</p>
	<p>Helios Core User Guide: Setup and Performance Tracking</p> <p>A comprehensive guide to setting up and using the Helios Core wearable device for hockey performance tracking, including app integration and charging instructions.</p>
	<p>Helios Bathroom Radiator Assembly Instructions - Type A & Type B</p> <p>Detailed assembly instructions for Helios bathroom radiators, covering Type A and Type B models. Includes step-by-step guidance for wall mounting and hardware descriptions.</p>



[Helios Hidden IR Repeater System AS-IRKIT Installation and Operation Guide](#)

This guide provides instructions for installing and operating the Helios Hidden IR Repeater System AS-IRKIT, allowing remote control of A/V components behind closed doors or walls.