

Lian Li SP1000P

Lian Li SP1000P Platinum 1000W SFX Power Supply User Manual

Model: SP1000P | Brand: Lian Li

1. SAFETY INFORMATION

Please read these safety instructions carefully before installing or using your power supply unit (PSU). Failure to follow these instructions may result in electric shock, fire, or damage to the product and connected devices.

- **Do not** open the PSU casing. High voltages are present inside, and there are no user-serviceable parts. Opening the casing will void the warranty.
- **Do not** insert any objects into the fan grille or ventilation openings.
- **Do not** block the ventilation openings of the PSU. Ensure adequate airflow for proper cooling.
- **Do not** operate the PSU in high humidity, extreme temperatures, or in environments with excessive dust.
- Ensure the PSU is connected to a properly grounded power outlet.
- Always disconnect the power cable from the wall outlet before installing, removing, or servicing the PSU or any other computer components.
- Use only the modular cables provided with this PSU. Using incompatible cables may cause damage.
- Ensure all connectors are fully seated and secured before powering on the system. Pay special attention to the 12V-2x6 connector for graphics cards.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Lian Li SP1000P Platinum 1000W SFX Power Supply Unit
- Modular Cable Set (including 12V-2x6 connector)
- SFX-to-ATX Mounting Bracket
- AC Power Cord

- Internal Power Switch Cable (for hidden PSU installations)
- Mounting Screws
- Cable Ties
- User Manual

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Video: Unboxing the Lian Li SP Platinum PSU. This video demonstrates the contents of the package, including the power supply unit, modular cables, and accessories.

3. PRODUCT OVERVIEW

The Lian Li SP1000P is a high-performance SFX form factor power supply designed for compact and standard PC builds. It features Platinum efficiency, fully modular cables, and advanced cooling for stable and quiet operation.

3.1 Key Features

- **SFX Form Factor:** Compact dimensions (125mm W x 63.5mm H x 100mm D) ideal for small-form-factor cases.
- **80 Plus Platinum Certified:** Up to 92% efficiency for reduced heat, lower noise, and energy savings.
- **ATX 3.1 & PCIe 5.1 Compliant:** Equipped with 12V-2x6 connectors for next-generation graphics cards.
- **Fully Modular Cables:** Flexible, braided DC cables for easy routing and improved airflow.
- **Smart Cooling:** Fanless mode under 40% load for silent operation, with fan engagement only when needed.
- **Premium Components:** Built with 100% Japanese 105°C-rated capacitors for superior durability and stable performance.
- **SFX-to-ATX Bracket:** Included for versatile installation in both SFX and standard ATX cases.

3.2 Dimensions and Compatibility

SFX SIZE, BROAD COMPATIBILITY

The compact SFX footprint (125 × 63.5 × 100 mm) makes it a perfect fit for small-form-factor cases, and the included SFX-to-ATX bracket extends compatibility to mid-tower and full-tower builds as well.



Image: The Lian Li SP1000P SFX Power Supply showing its compact dimensions (125mm W x 63.5mm H x 100mm D). This compact size makes it suitable for small-form-factor cases.

The compact SFX footprint (125 x 63.5 x 100 mm) ensures compatibility with small-form-factor cases. The included SFX-to-ATX bracket extends its compatibility to mid-tower and full-tower builds, offering flexible installation options.

INCLUDED SFX-TO-ATX BRACKET

Extends compatibility to mid-tower and full-tower builds.



Image: Illustration of the included SFX-to-ATX bracket and how the SFX PSU can be installed in both compact SFX and standard ATX cases.

4. SETUP AND INSTALLATION

Follow these steps to properly install your Lian Li SP1000P Power Supply Unit.

4.1 PSU Installation

1. **Prepare your case:** If installing in an ATX case, attach the provided SFX-to-ATX bracket to the PSU using the included screws.
2. **Mount the PSU:** Secure the PSU (with or without the bracket) into the designated power supply bay in your computer case using the appropriate mounting screws.
3. **Connect the AC Power Cord:** Plug the internal power switch cable into the PSU's AC inlet. If your PSU is hidden, use the provided internal power switch cable to extend the power switch functionality.

CONVENIENT INTERNAL POWER SWITCH CABLE



Image: The convenient internal power switch cable, which allows you to easily cut power even when the PSU is hidden inside the chassis. Ensure the switch is in the ON position when connecting or disconnecting the power cable.

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Video: Demonstration of the SFX ATX Bracket Installation for the SP Platinum Power Supply. This video guides you through the process of mounting the PSU using the bracket.

4.2 Cable Connections

The SP1000P features fully modular, braided cables for optimal cable management and airflow.

- **Motherboard Power:** Connect the 24-pin ATX cable to your motherboard.
- **CPU Power:** Connect the 4+4 pin EPS/CPU cables to your motherboard's CPU power connectors. High-end motherboards may require two such connectors.
- **Graphics Card Power (PCIe):** Use the 12V-2x6 connector for compatible graphics cards. Ensure the blue-marked connector is fully inserted until it disappears into the socket for a secure connection. For other graphics cards, use the 6+2 pin PCIe cables.
- **Peripherals:** Connect SATA cables for storage drives and other peripherals.

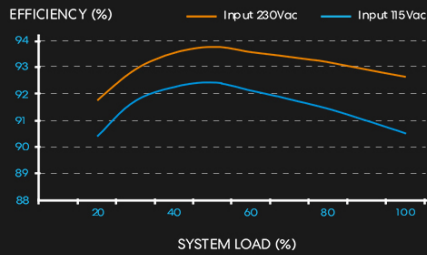
PLATINUM EFFICIENCY

Certified with both 80 PLUS® Platinum and PPLP Platinum, the SP Series delivers up to 92% efficiency at 50% load for cooler operation, quieter acoustics, and lower energy costs. Designed for professional reliability, it ensures exceptional performance with tight voltage regulation and ultra-low ripple, keeping your GPU and CPU stable even during sudden power swings.



SP1000P

80 PLUS EFFICIENCY



SP0850P

80 PLUS EFFICIENCY

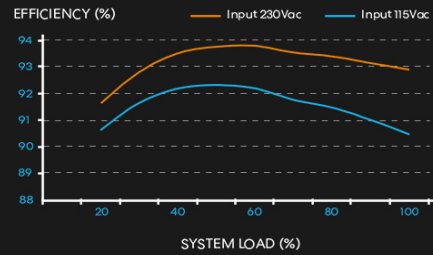


Image: Close-up of the braided modular cables, highlighting their flexibility for easy routing and clean builds.

NEXT-GEN READY:

ATX 3.1 / PCIE 5.1 & 12V-2x6



Note: The blue-marked 12V-2x6 connector must be fully inserted to ensure proper connection and safe operation.

Image: Detail of the 12V-2x6 connector, emphasizing the importance of full insertion for proper connection and safe operation.

SMART COOLING, WHISPER QUIET

Enjoy true silence with a zero-RPM mode under 40% load. When performance demands increase, the fan ramps up seamlessly to keep temperatures in check and ensure long-term reliability.

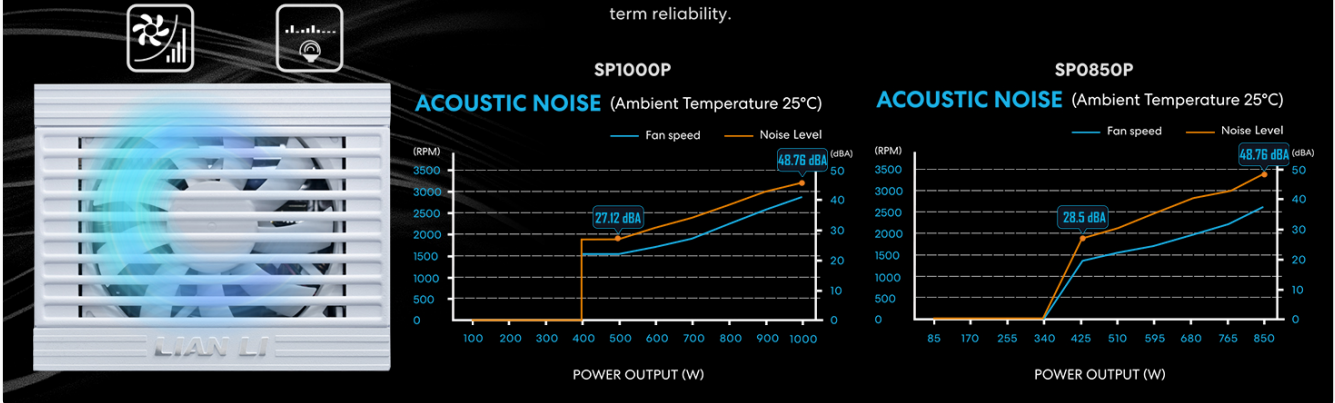


Image: A table detailing the comprehensive cable connectivity options for the SP Platinum series, including motherboard, CPU, PCIe, 12V-2x6, SATA, and SATA-PATA connectors.

5. OPERATING INSTRUCTIONS

5.1 Smart Cooling Feature

The SP1000P features a smart cooling system with a zero-RPM mode. The fan remains off for silent operation when the system load is at or below 40%. As performance demands increase and the load exceeds 40%, the fan will automatically ramp up to maintain optimal temperatures and ensure long-term reliability.

SMART COOLING, WHISPER QUIET

Enjoy true silence with a zero-RPM mode under 40% load. When performance demands increase, the fan ramps up seamlessly to keep temperatures in check and ensure long-term reliability.



Image: The Lian Li SP1000P power supply highlighting its smart cooling feature, which allows for silent operation at low loads.

SFX SIZE, BROAD COMPATIBILITY

The compact SFX footprint (125 × 63.5 × 100 mm) makes it a perfect fit for small-form-factor cases, and the included SFX-to-ATX bracket extends compatibility to mid-tower and full-tower builds as well.

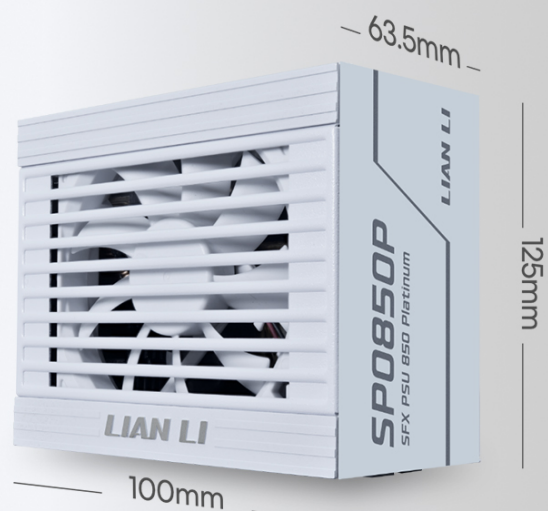


Image: Graph illustrating the acoustic noise levels and fan speed relative to power output for both SP1000P and SP850P models, demonstrating the zero-RPM mode at lower loads.

5.2 Power On/Off

After all components are securely connected, connect the main AC power cord to the PSU and a wall outlet. Use the external power switch on the PSU (or the internal power switch cable if used) to turn the unit on or off. Always ensure the system is properly shut down before disconnecting power.

6. SPECIFICATIONS

Feature	Detail
Model Name	SP1000P.B
Brand	Lian Li
Form Factor	SFX
Output Wattage	1000W
Efficiency Certification	80 PLUS Platinum
ATX Version	ATX 3.1
PCIe Version	PCIe 5.1 (with 12V-2x6 connector)
Capacitors	100% Japanese 105°C
Cooling Method	Air (Smart Cooling with Zero-RPM mode)
Fan Count	1
Dimensions (L x W x H)	4.92 x 2.5 x 3.94 inches (125mm x 63.5mm x 100mm)
Input Voltage	120 Volts (AC)
Protection Features	OPP/NLP/OVP/OC/UCP/OTP/LVP/SIP (Over Power, No Load, Over Voltage, Over Current, Under Current, Over Temperature, Low Voltage, Short Circuit Protection)

NEXT-GEN READY:

ATX 3.1 / PCIe 5.1 & 12V-2x6

Engineered for next-gen power, LIAN LI's reinforced alloy terminals with a welded design and dual-color housing ensure lower resistance, better heat endurance, and effortless, secure connections. Built to deliver reliable performance for the latest high-performance graphics cards.

Note: The blue-marked 12V-2x6 connector must be fully inserted to ensure proper connection and safe operation.



Image: A comprehensive specifications table for the Lian Li SP Platinum series, including details on models, dimensions, output, efficiency, and protection

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your PSU.

- **Dust Cleaning:** Periodically clean dust from the PSU's fan grille and ventilation openings using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Cable Management:** Regularly check cable connections to ensure they are secure and not obstructing airflow.
- **Environmental Conditions:** Operate the PSU in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.

8. TROUBLESHOOTING

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

- **No Power:**
 - Ensure the AC power cord is securely plugged into both the PSU and the wall outlet.
 - Check if the power switch on the PSU (or the internal power switch cable) is in the "ON" position.
 - Verify that the wall outlet is functional by plugging in another device.
 - Confirm all modular cables are correctly and fully seated into the PSU and corresponding components.
- **System Instability/Crashes:**
 - Ensure your PSU wattage is sufficient for all your components, especially the graphics card.
 - Check for loose cable connections, particularly the 12V-2x6 connector for high-power GPUs.
 - Monitor system temperatures to ensure proper cooling.
- **Unusual Noise:**
 - The PSU fan operates in a zero-RPM mode at low loads. If the system load is high, fan noise is normal.
 - If you hear unusual grinding or rattling, ensure no cables are obstructing the fan.
 - Coil whine can occur in some PSUs under certain loads. While generally harmless, if excessive, contact support.

If problems persist after following these steps, please contact Lian Li customer support.

9. WARRANTY AND SUPPORT

The Lian Li SP1000P Platinum Power Supply comes with a **10-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use. This warranty ensures long-term reliability and peace of mind.

For technical support, warranty claims, or further assistance, please visit the official Lian Li website or contact their customer service department. Keep your proof of purchase for warranty validation.

Lian Li Official Website: www.lian-li.com



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