

## AZZA PSAZ-1000P

# AZZA PSAZ-1000P 80+ Platinum 1000W ATX 3.0 Power Supply User Manual

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your AZZA PSAZ-1000P 80+ Platinum 1000W ATX 3.0 Power Supply. Please read this manual thoroughly before installation to ensure proper and safe usage of the product.

The AZZA PSAZ-1000P is a high-performance, fully modular power supply designed to meet the demands of modern computing systems, featuring 80 PLUS Platinum efficiency and ATX 3.0 compliance.

## 2. SAFETY INFORMATION

- **Do not** open the power supply unit. High voltages are present inside, even when the unit is unplugged.
- Install the power supply in a well-ventilated area, away from heat sources and direct sunlight.
- Ensure the power supply is connected to a grounded electrical outlet.
- Use only the modular cables provided with your AZZA PSAZ-1000P power supply. Using incompatible cables may damage the PSU or connected components.
- Before installation or maintenance, always disconnect the power cord from the wall outlet.
- Avoid exposing the power supply to moisture or extreme temperatures.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- AZZA PSAZ-1000P Power Supply Unit
- Modular Cable Set (including 16-pin PCIe Gen 5.0 cable)
- AC Power Cord

- Mounting Screws
- User Manual (this document)

## 4. PRODUCT FEATURES

---

The AZZA PSAZ-1000P power supply offers advanced features for reliable and efficient performance:

- Complies with ATX12V V3.0 standard
- Efficiency  $\geq 92\%$  at typical load (80 PLUS Platinum certified)
- Eco semi-fanless fan control switch for quiet operation at low loads
- 120mm smart hydraulic bearing (HYB) fan for optimal cooling and durability
- LLC Full Bridge Topology with DC-DC module design for stable power delivery
- Support for PCIe Gen 5.0 graphics cards with a high-quality native 16-pin cable supporting 600W output
- Complete protection features: Over Current Protection (OCP), Over Voltage Protection (OVP), Over Power Protection (OPP), Short Circuit Protection (SCP), Over Temperature Protection (OTP), Under Voltage Protection (UVP)
- Fully modular design for improved cable management and airflow

## 5. SETUP AND INSTALLATION

---

Follow these steps to install your power supply:

1. **Prepare your PC Case:** Ensure your PC case is compatible with ATX power supplies. Remove the side panel of your computer case.
2. **Mount the Power Supply:** Carefully slide the AZZA PSAZ-1000P into the designated power supply bay in your PC case. Secure it with the provided mounting screws from the rear of the case.
3. **Connect Modular Cables:** Identify the necessary cables for your motherboard, CPU, graphics card(s), and storage devices. Connect them to the corresponding ports on the power supply unit. Refer to the image below for port identification.



*This image displays the AZZA PSAZ-1000P power supply unit from an isometric view. The modular cable connection panel is visible on the right side, labeled with 'M/B 18+10P' (Motherboard), 'CPU & PCI-E', 'SATA & MOLEX' (for storage and peripherals), and '+12VHPWR' (for high-power PCIe Gen 5.0 graphics cards) ports. The top features a fan grille, and the side shows '1000W' and 'AZZA' branding.*

4. **Motherboard Connection:** Connect the 24-pin ATX cable (M/B 18+10P) to your motherboard.
5. **CPU Power:** Connect the 4+4 pin or 8-pin EPS12V cable(s) from the 'CPU & PCI-E' ports to your motherboard's CPU power connector(s).
6. **Graphics Card Power:** Connect the appropriate PCIe cables (6+2 pin or the 16-pin 12VHPWR cable for Gen 5.0 GPUs) from the 'CPU & PCI-E' or '+12VHPWR' ports to your graphics card(s). Ensure the 16-pin connector is fully seated if used.
7. **Storage and Peripherals:** Connect SATA and Molex cables from the 'SATA & MOLEX' ports to your hard drives, SSDs, optical drives, and other peripherals.
8. **Cable Management:** Route cables neatly to improve airflow and aesthetics within your case.
9. **Connect AC Power:** Once all internal connections are secure, connect the AC power cord to the power supply and then to a wall outlet.

## 6. OPERATING INSTRUCTIONS

After installation, ensure the power switch on the rear of the power supply is in the 'ON' position. You can then power on your computer using the case's power button.

## Eco Semi-Fanless Mode

The AZZA PSAZ-1000P features an Eco semi-fanless mode, controlled by a switch on the power supply. When enabled, the fan will remain off during low to moderate loads for silent operation. The fan will automatically activate when the load increases or the internal temperature reaches a certain threshold to maintain optimal cooling. Disabling this mode will cause the fan to operate continuously, adjusting its speed based on load and temperature.

## 7. MAINTENANCE

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

- **Dust Removal:** 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 vents. *Always disconnect the power supply from the wall outlet before cleaning.*
- **Cable Inspection:** Occasionally check all modular cable connections to ensure they are securely seated.
- **Ventilation:** Ensure that the power supply's intake and exhaust vents are not obstructed, allowing for proper airflow.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
System does not power on.	<ul style="list-style-type: none"><li>◦ Power cord not connected.</li><li>◦ Power switch off.</li><li>◦ Loose internal cable connections.</li><li>◦ Faulty component (motherboard, CPU, etc.).</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure AC power cord is securely plugged into PSU and wall outlet.</li><li>◦ Flip the power switch on the PSU to 'ON'.</li><li>◦ Check all modular cables (24-pin, CPU, PCIe, SATA) are firmly seated.</li><li>◦ Test components individually if possible, or try a different power supply if available.</li></ul>
System powers on but shuts down immediately.	<ul style="list-style-type: none"><li>◦ Overload or short circuit.</li><li>◦ Overheating.</li></ul>	<ul style="list-style-type: none"><li>◦ Disconnect non-essential components to check for overload.</li><li>◦ Ensure proper ventilation and clear any dust from the PSU fan.</li><li>◦ Verify all cables are correctly connected and not shorting.</li></ul>

Problem	Possible Cause	Solution
Fan is not spinning (in Eco mode).	<ul style="list-style-type: none"> <li>Normal operation in Eco semi-fanless mode.</li> <li>Fan obstruction.</li> </ul>	<ul style="list-style-type: none"> <li>The fan will only spin under higher loads or temperatures.</li> <li>Check for any obstructions preventing the fan from spinning. Disable Eco mode to force continuous fan operation for testing.</li> </ul>

If the problem persists after trying these steps, please contact AZZA customer support.

## 9. SPECIFICATIONS

Feature	Detail
Model Name	PSAZ-1000P
Wattage	1000W
Efficiency	80 PLUS Platinum ( $\geq 92\%$ typical load)
Form Factor	ATX
ATX Standard	ATX12V V3.0
Cooling Method	Air (120mm Hydraulic Bearing Fan)
Fan Control	Eco semi-fanless switch
Modular	Fully Modular
PFC	Active PFC
Protection Features	OCP, OVP, OPP, SCP, OTP, UVP
Dimensions (L x W x H)	5 x 8.5 x 13.4 inches
Weight	7.35 pounds (3.34 Kilograms)
Compatible Devices	Personal Computer

## 10. WARRANTY AND SUPPORT

AZZA products are manufactured to the highest quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the official AZZA website or contact their customer support directly.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please visit the [AZZA official website](#) or contact their support team.

