

Unykach 52099

UNYKAch ATX 500W Power Supply User Manual

Model: 52099

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your UNYKAch ATX 500W Power Supply. Designed for personal computers, this unit delivers stable and efficient power to your system components. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. SAFETY INSTRUCTIONS

- Always disconnect the power supply from the AC outlet before installation, removal, or cleaning.
- Do not open the power supply casing. High voltages are present inside, which can cause electric shock. There are no user-serviceable parts inside.
- Install the power supply in a well-ventilated area, away from heat sources, direct sunlight, and moisture.
- Ensure the power supply is compatible with your system's power requirements.
- Use only the cables provided with the power supply.
- Avoid placing heavy objects on the power supply or its cables.
- If the power supply is damaged or malfunctioning, discontinue use immediately and contact qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- UNYKAch ATX 500W Power Supply Unit
- AC Power Cord
- Mounting Screws
- User Manual (this document)

4. PRODUCT OVERVIEW

The UNYKAch ATX 500W Power Supply is designed for standard ATX computer cases. It features a cooling fan

and various connectors to power your motherboard, CPU, graphics card, and storage devices.



Figure 4.1: Overall view of the UNYKAch ATX 500W Power Supply. This image shows the silver casing, the top-mounted cooling fan, and the bundled power cables exiting the unit.



Figure 4.2: Top view of the power supply, highlighting the protective grille over the cooling fan. The fan is crucial for dissipating heat generated during operation.



Figure 4.3: Rear panel of the power supply, showing the AC power input socket and the main power on/off switch. This is where the power cord connects to the unit.



Figure 4.4: Side view of the power supply, displaying the product label with detailed electrical specifications, model number (P/N: 52099), and certifications. The barcode [6940533542759](#) is also visible.

4.1. Connectors

- **20+4 Pin ATX Main Power:** Connects to the motherboard.
- **4+4 Pin EPS/ATX 12V:** Connects to the CPU power socket on the motherboard.
- **6+2 Pin PCIe:** For graphics cards (if applicable).
- **SATA Power:** For SATA hard drives, SSDs, and optical drives.
- **Molex (4-Pin Peripheral):** For older peripherals or case fans.

5. SETUP AND INSTALLATION

1. **Prepare Your System:** 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 unit from the case.

3. **Install New PSU:** Place the UNYKAch ATX 500W Power Supply into the designated PSU bay in your computer case. Ensure the fan is oriented correctly for optimal airflow (usually facing down or out of the case). Secure the power supply with the provided mounting screws.
4. **Connect Main Power:** Connect the 20+4 Pin ATX main power cable to the corresponding socket on your motherboard. Ensure it clicks into place.
5. **Connect CPU Power:** Connect the 4+4 Pin EPS/ATX 12V cable to the CPU power socket on your motherboard.
6. **Connect Graphics Card Power (if applicable):** If your graphics card requires external power, connect the 6+2 Pin PCIe cable(s) to it.
7. **Connect Peripherals:** Connect SATA power cables to your hard drives, SSDs, and optical drives. Use Molex connectors for other peripherals or case fans as needed.
8. **Cable Management:** Route cables neatly to improve airflow and aesthetics within your case.
9. **Close Case:** Once all connections are secure, close your computer case.
10. **Connect AC Power:** Plug the AC power cord into the power supply's input socket and then into a wall outlet.

6. OPERATING INSTRUCTIONS

1. **Power On:** Ensure the main power switch on the back of the power supply is in the 'I' (On) position. Press the power button on your computer case.
2. **Normal Operation:** The power supply will provide stable power to your system. The internal fan will operate to maintain optimal temperatures.
3. **Power Off:** To shut down your computer, use the operating system's shutdown procedure. For a complete power cut, switch the power supply's main switch to 'O' (Off) and unplug the AC cord.

7. MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the power supply and its fan grille to prevent dust buildup, which can impede airflow and cooling. Use compressed air or a soft brush. Always disconnect power before cleaning.
- **Fan Inspection:** Ensure the fan is spinning freely and quietly. Excessive noise or a non-spinning fan may indicate a problem.
- **Cable Integrity:** Check cables for any signs of wear, fraying, or damage. Replace damaged cables immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Computer does not power on.	<ul style="list-style-type: none"> Power cord not connected. PSU switch is off. Loose internal connections. Faulty power supply. 	<ul style="list-style-type: none"> Ensure AC power cord is securely plugged into PSU and wall outlet. Flip the PSU switch to 'I' (On). Check all internal power connections (24-pin, CPU, PCIe, SATA). Test with another known good power supply if possible.
System instability or random shutdowns.	<ul style="list-style-type: none"> Insufficient power. Overheating. Faulty power supply. 	<ul style="list-style-type: none"> Ensure total system power draw does not exceed 500W. Check for proper ventilation and clean PSU fan. Contact support if issues persist.

Problem	Possible Cause	Solution
Loud fan noise from PSU.	<ul style="list-style-type: none">◦ Dust buildup.◦ Fan malfunction.	<ul style="list-style-type: none">◦ Clean the fan and grille with compressed air.◦ If noise persists, the fan may be failing.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact UNYKAch customer support.

9. SPECIFICATIONS



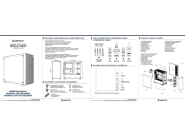
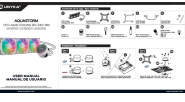


Feature	Detail
Brand	Unykach
Model Number	52099
Form Factor	ATX
Output Power	500 Watts
Input Voltage	230 V
Input Frequency	50-60 Hz
Rated Current (+3.3V)	28 A
Rated Current (+12V)	22 A
Rated Current (+5V)	28 A
Rated Current (-12V)	0.5 A
Rated Current (+5Vsb)	2 A
Cooling Method	Air
Compatible Devices	Personal Computer
Dimensions (L x W x H)	15 x 14 x 8.5 cm
Country of Origin	China

10. WARRANTY AND SUPPORT

UNYKAch products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official UNYKAch website. Please have your model number (52099) and purchase details ready when contacting support.

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Related Documents - 52099

 <p>AERO C25 CAJA Micro-ATX PC CASE MATX CABA MATX</p> <p>BLACK P/N: UK12125 EAN: 52099700125</p> <p>www.unykach.com</p>	<p>UNYKAch AERO C25 Micro-ATX PC Case - Specifications and Overview</p> <p>Detailed information about the UNYKAch AERO C25 Micro-ATX PC case, including specifications, dimensions, packaging, and certifications. Ideal for compact builds with high performance.</p>
 <p>AERO C35 CAJA ATX PC CASE ATX CABA ATX</p> <p>BLACK P/N: UK12135 EAN: 52099700135</p> <p>www.unykach.com</p>	<p>UNYKAch AERO C35 ATX PC Case - Specifications and Overview</p> <p>Detailed information about the UNYKAch AERO C35 ATX PC Case, including specifications, dimensions, packaging, and certifications. Features a minimalist design with tempered glass.</p>
	<p>Unykach Revelat Mesh Computer Case User Manual</p> <p>User manual for the Unykach Revelat Mesh computer case (UK121803) in black, detailing features, cable connections, chassis components, and installation guides for fans, motherboards, storage devices, power supplies, and cooling systems.</p>
	<p>Manual de Usuario: Refrigeración Líquida UNYKAch AQUASTORM RGB 240mm Blanca</p> <p>Este manual proporciona instrucciones detalladas para la instalación, uso y mantenimiento del sistema de refrigeración líquida UNYKAch AQUASTORM RGB 240mm Blanca (UK352102).</p>
 <p>KIT TECLADO + RATÓN ES PACK OEM</p> <p>UK50545 EAN: 52099700545 EAN: 52099700545</p> <p>www.unykach.com</p>	<p>UNYKAch UK50545 OEM Keyboard and Mouse Combo - Product Datasheet</p> <p>Detailed product datasheet for the UNYKAch UK50545 OEM Keyboard and Mouse Combo. Features include a 105-key membrane keyboard, 1200 DPI optical mouse, USB connectivity, and compatibility with Windows, Mac, Android, and Linux. Includes specifications, packaging details, and importer information.</p>
 <p>NOVA 4in1 ES PACK GAMING</p> <p>UK594008 EAN: 52099700408 EAN: 52099700408</p> <p>www.unykach.com</p>	<p>UNYKAch Gaming Pack Nova 4in1 ES (UK594008) - Specifications and Overview</p> <p>Detailed specifications and overview of the UNYKAch Gaming Pack Nova 4in1 (Model UK594008), including RGB keyboard, high-precision mouse, headset with microphone, and XL mouse pad.</p>



[UNYKAch AERO C25 Micro-ATX PC Case - Specifications and Overview](#)

Detailed information about the UNYKAch AERO C25 Micro-ATX PC case, including specifications, dimensions, packaging, and certifications. Ideal for compact builds with high performance.

lang:en score:27 filesize: 839.62 K page_count: 5 document date: 2025-07-14



[UNYKAch AERO C35 ATX PC Case - Specifications and Overview](#)

Detailed information about the UNYKAch AERO C35 ATX PC Case, including specifications, dimensions, packaging, and certifications. Features a minimalist design with tempered glass.

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