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› [ARLBA](#) /

› [ARLBA 300W Power Supply L300PM-00 User Manual](#)

## ARLBA L300PM-00

# ARLBA 300W Power Supply L300PM-00 User Manual

Model: L300PM-00



## 1. INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your ARLBA 300W Power Supply, model L300PM-00. This power supply unit is designed as a replacement for various Dell Optiplex, Inspiron, Precision, and Vostro Mini Tower (MT) systems. Please read this manual thoroughly before installation to ensure proper and safe usage.

**Important Compatibility Note:** This power supply is specifically designed for Dell Mini Tower (MT) systems. It is **not** compatible with Dell Small Form Factor (SFF), Desktop (DT), or Ultra Small Form Factor (USFF) systems. Verify your system's form factor before proceeding with installation.

## 2. SAFETY INFORMATION

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- Always disconnect the computer from the power outlet before installing or removing any components.
- Ensure proper grounding to prevent electrical shock.
- Do not open the power supply unit. There are no user-serviceable parts inside, and opening it voids the warranty and poses a risk of electric shock.
- Handle components with care to avoid damage from static electricity. Consider using an anti-static wrist strap.
- Keep the power supply away from moisture and extreme temperatures.
- Ensure adequate ventilation around the power supply to prevent overheating.

## 3. PACKAGE CONTENTS

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Your package should contain the following item:

- 1x ARLBA 300W Power Supply Unit (L300PM-00)

## 4. PRODUCT OVERVIEW

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The ARLBA 300W Power Supply provides reliable power to your compatible Dell Mini Tower system. It features standard connectors for motherboard, hard drives, and other peripherals.



Figure 4.1: Overview of the ARLBA 300W Power Supply with its attached cables.

## 4.1. Connectors

The power supply includes the following connectors:

- 1x 24-Pin ATX Connector (for motherboard power)
- 4x SATA Connectors (for hard drives, SSDs, optical drives)
- 1x 4-Pin (2x2) Connector (for CPU power)

## Connectors:

1X 24-Pin ATX Connector

4X SATA Connectors

1X 4-Pin(2x2) Connector



Figure 4.2: Detailed view of the power supply's various connectors.

## 4.2. Dimensions

# Product Size

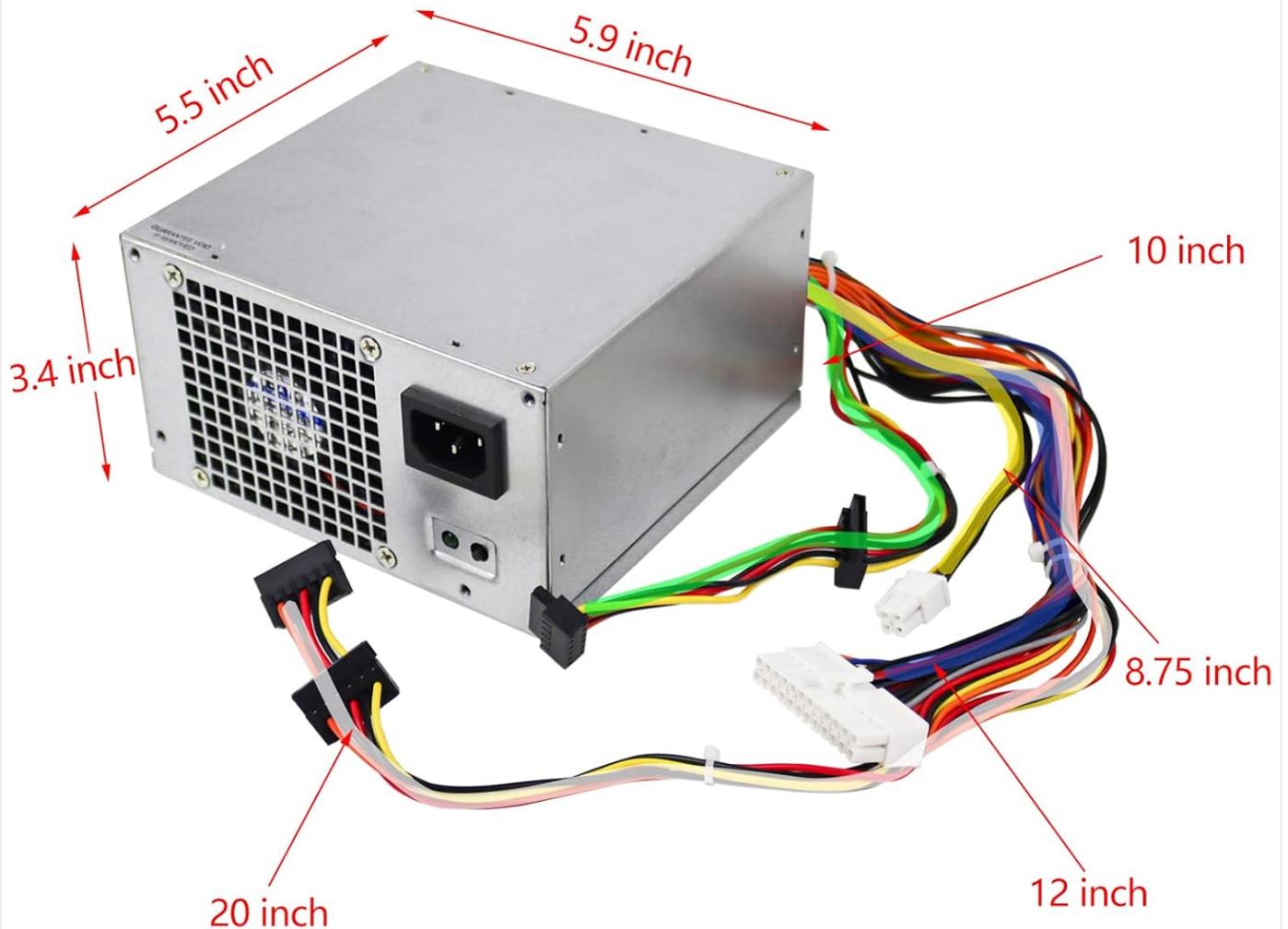


Figure 4.3: Product dimensions and cable lengths for installation planning.

## 5. SETUP AND INSTALLATION

Follow these steps carefully to install the ARLBA 300W Power Supply into your compatible Dell Mini Tower system.

### 1. Prepare Your System:

- Power off your computer completely and disconnect the power cord from the wall outlet.
- Open the computer case according to your system's specific instructions.
- Locate and disconnect all cables from the old power supply unit (PSU).
- Unscrew and remove the old PSU from the computer case.

### 2. Install the New Power Supply:

- Carefully place the new ARLBA 300W Power Supply into the designated PSU bay in your computer case.
- Secure the new PSU with screws.

### 3. Connect Cables:

- Connect the **24-Pin ATX Connector** to the motherboard (labeled '4' in Figure 5.1).

- Connect the **4-Pin (2x2) Connector** to the CPU power socket on the motherboard (labeled '1' in Figure 5.1).
- Connect the **SATA Connectors** to your hard drives, SSDs, and optical drives (labeled '2' and '3' in Figure 5.1). Ensure proper orientation.

4. **Cable Management:** Route cables neatly to improve airflow and prevent interference with other components.

5. **Close Case and Power On:**

- Close the computer case.
- Reconnect the power cord to the wall outlet.
- Power on your computer.

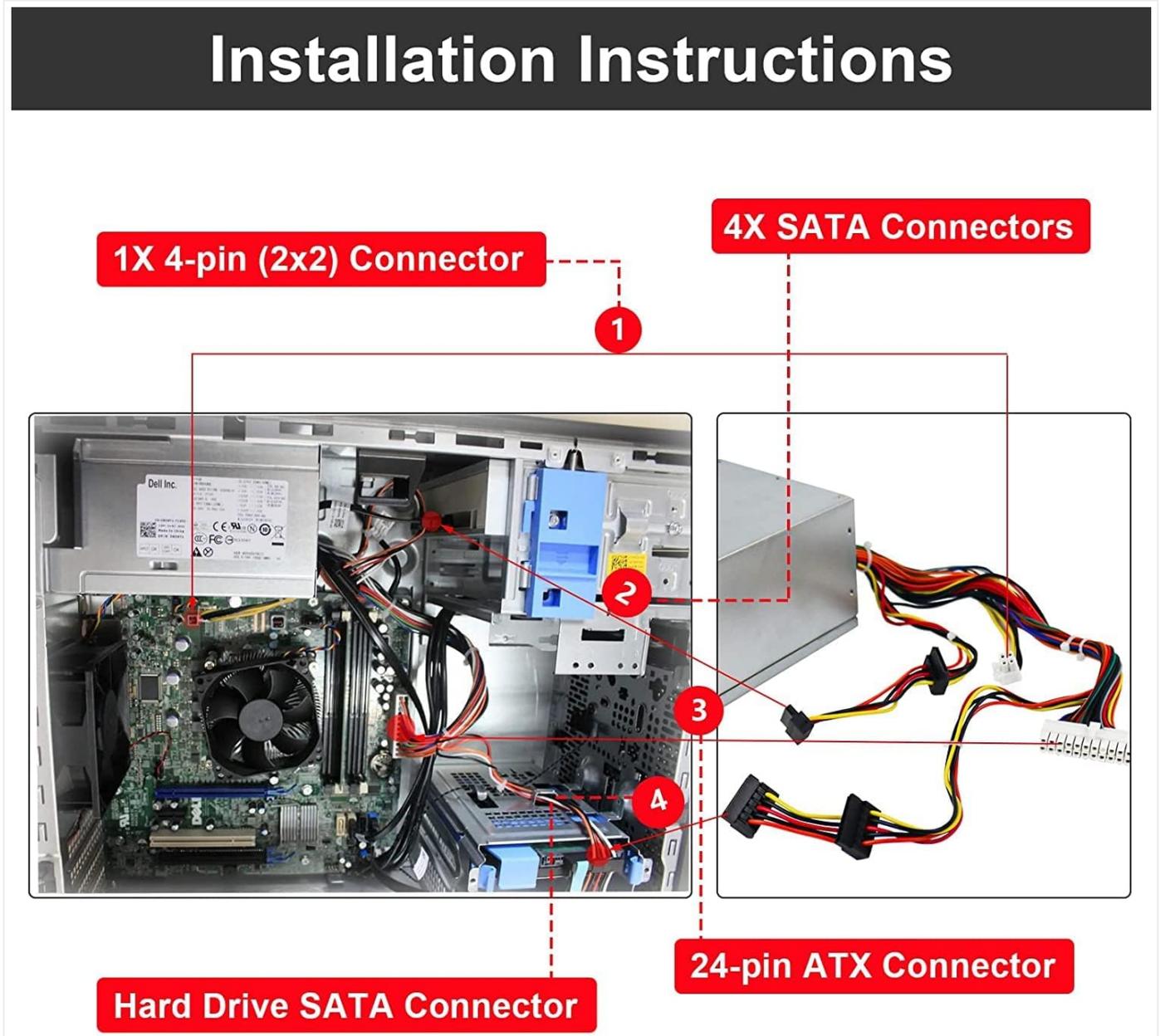


Figure 5.1: Visual guide for connecting the power supply cables to internal components.

### 5.1. Important Considerations for Cable Connections

Some users have reported variations in SATA connector spacing compared to original Dell power supplies. If you are connecting multiple hard drives side-by-side, you may find the spacing between the SATA power connectors on this unit to be shorter (approximately 1.5 inches) than on some original Dell PSUs (which might be around 5.5 inches). This could potentially make it challenging to power two closely mounted drives without an extension cable or modification. Additionally, ensure the SATA connectors are oriented correctly; some users have noted that the slot orientation might differ from original units, requiring careful alignment or a slight twist of the cable.

## 6. OPERATING INSTRUCTIONS

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Once properly installed, the ARLBA 300W Power Supply operates automatically with your computer system.

- **Power On:** After installation, connect the computer's power cord to a wall outlet and press the system's power button. The power supply will provide power to all connected components.
- **Power Off:** Shut down your computer through the operating system. The power supply will cease operation when the system is off.

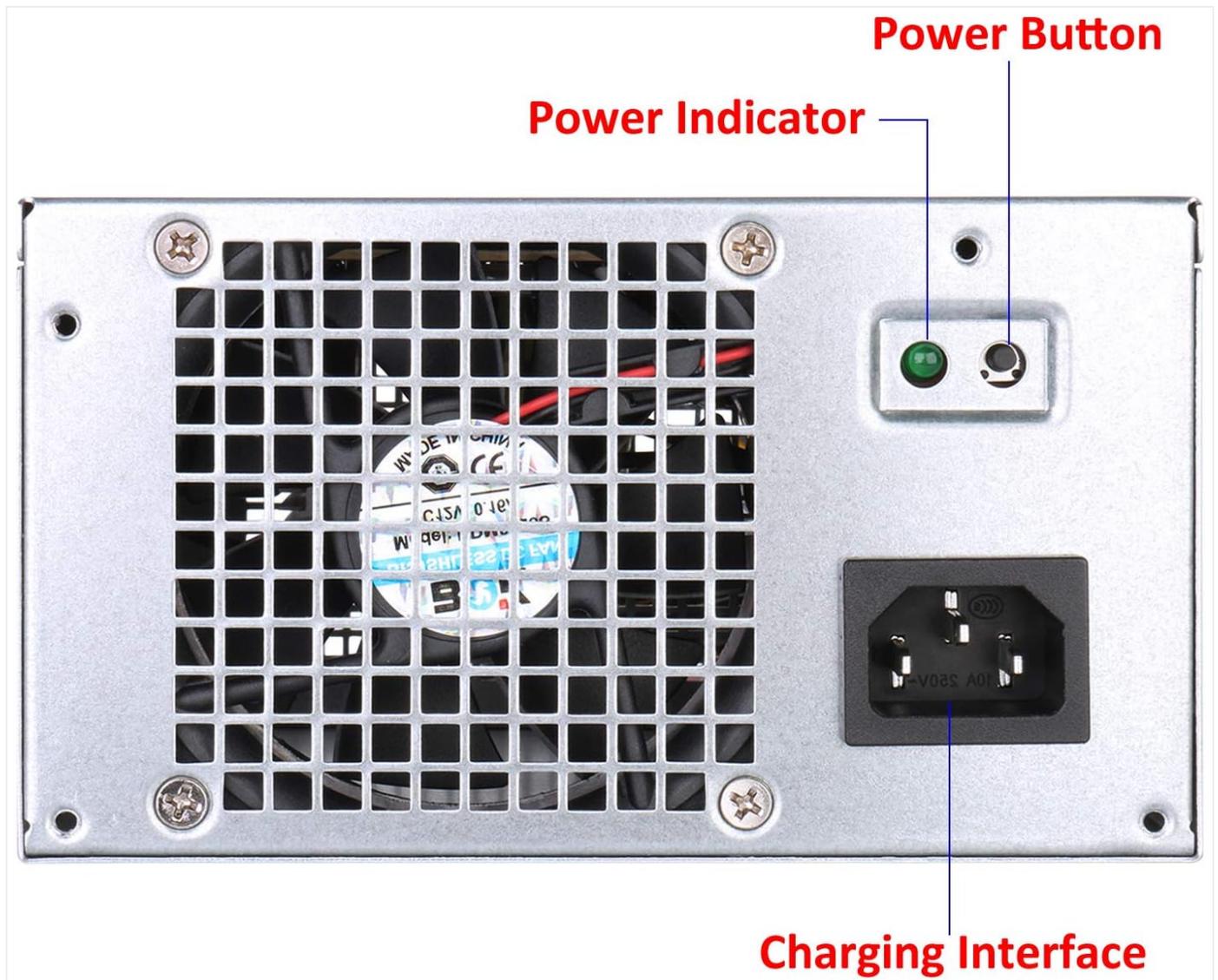


Figure 6.1: Rear panel of the power supply, showing the AC input and fan.

## 7. MAINTENANCE

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The ARLBA 300W Power Supply is designed for minimal maintenance.

- **Cleaning:** Periodically, with the computer powered off and unplugged, use compressed air to gently clear dust from the power supply's fan and vents. Do not use liquid cleaners.
- **Inspection:** Occasionally inspect cables for any signs of wear or damage. Ensure all connections remain secure.
- **Do Not Open:** Never attempt to open the power supply casing. This can expose you to dangerous voltages and will void any warranty.

## 8. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Computer does not power on.	Power cord not fully connected. Power supply switch is off (if applicable). Loose internal power connections. Faulty power supply.	Ensure power cord is securely plugged into both the PSU and the wall outlet. Check if the power switch on the PSU (if present) is in the 'On' position. Verify all internal power connectors (24-pin ATX, 4-pin CPU, SATA) are firmly seated. If issues persist, the PSU may be faulty.
Loud fan noise from PSU.	Dust accumulation in fan. Fan bearing issue. Normal operating noise (some units may be louder than original equipment).	With power off and unplugged, gently clean fan and vents with compressed air. If noise persists and is excessive, consider contacting support. Note that some replacement units may have a slightly different noise profile than original parts.
Circuit breaker trips when PC powers on.	Overload on the circuit. Faulty power supply.	Ensure the circuit is not overloaded with other high-power devices. If the issue is specific to the new PSU, it may be faulty and require replacement.
Cannot connect multiple hard drives due to short SATA cable spacing.	SATA connector spacing on this unit is shorter than some original Dell PSUs.	Consider using a SATA power extension cable or adapter if your drives are mounted too far apart for the provided connectors.

## 9. SPECIFICATIONS

Detailed technical specifications for the ARLBA 300W Power Supply L300PM-00:

Feature	Detail
Model Name	L300PM-00
Brand	ARLBA
Output Wattage	300 Watts
Form Factor	ATX
Compatible Devices	Personal Computer (Dell Mini Tower Systems)
Connector Type	ATX, SATA
Cooling Method	Air
Minimum Input Voltage	200 Volts
Maximum Input Voltage	240 Volts
Item Weight	2.08 pounds
Package Dimensions	7.83 x 6.5 x 4.06 inches

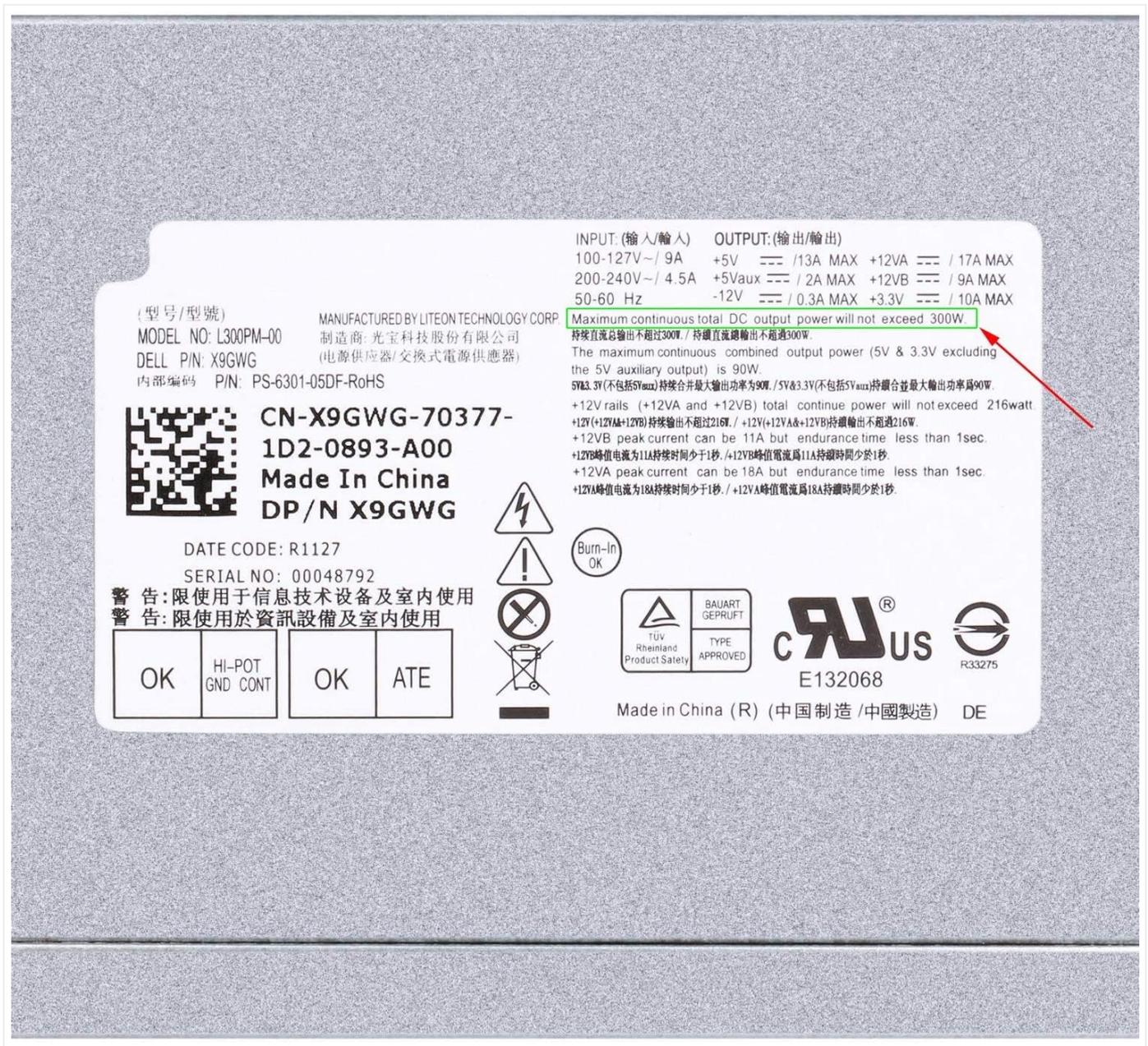


Figure 9.1: Manufacturer's label with electrical specifications.

## 10. WARRANTY INFORMATION

For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. General warranty coverage typically applies to manufacturing defects under normal use. Opening the power supply unit will void the warranty.

Extended protection plans may be available for purchase separately.

## 11. SUPPORT

If you encounter any issues or have questions regarding your ARLBA 300W Power Supply, please contact the seller or visit the official ARLBA store for assistance.

[Visit the ARLBA Store on Amazon](#)



