

Bitmain APW3++

Bitmain Antminer Power Supply APW3++ User Manual

Model: APW3++

Brand: Bitmain

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Bitmain Antminer Power Supply APW3++. Please read this manual thoroughly before installation and operation to ensure proper functionality and longevity of the unit.

The APW3++ power supply is designed for compatibility with Antminer models including L3+, S9, T9, and D3.

2. SAFETY INFORMATION

- Always ensure the power supply is disconnected from the main power source before performing any installation, maintenance, or troubleshooting.
- Use only a standard PC power cable (C13 type). For high wattage operation (e.g., 1600W at 220V), a 14-gauge or higher rated power cord is recommended to prevent overheating and ensure safety. Do not use a standard computer plug for high-power applications.
- Ensure adequate ventilation around the power supply to prevent overheating. Do not block air vents.
- The APW3++ power supply does not feature an integrated power switch or fuse protection. Powering the unit on or off requires connecting or disconnecting the power cable. A slight spark may occur during connection or disconnection, which is normal due to the absence of a switch. Exercise caution.
- Avoid exposing the unit to moisture, dust, or extreme temperatures.
- Do not attempt to open or modify the power supply unit. This will void any warranty and may pose a safety risk.

3. PRODUCT FEATURES

- Designed for AntMiner L3+, S9, T9, and D3 models.
- Equipped with ten 6-pin PCIe connectors for multiple device connections.
- Maximum output of 1200W at 110V-120V input.

- Maximum output of 1600W at 220V-240V input.
- Compact ATX form factor.
- Air cooling method.

4. SETUP INSTRUCTIONS

1. **Unpack the Power Supply:** Carefully remove the APW3++ power supply from its packaging. Inspect for any visible damage.
2. **Prepare the Environment:** Ensure the installation area is clean, dry, and has adequate airflow. Avoid confined spaces.
3. **Connect PCIe Cables:** Connect the ten 6-pin PCIe power connectors from the APW3++ to the corresponding power input ports on your Antminer device(s). Ensure all connections are secure.
4. **Connect AC Power Cable:** Insert a compatible C13 power cable (not included) into the AC input socket on the rear of the power supply.



An overview of the Bitmain APW3++ power supply unit, showcasing its compact design and the array of ten 6-pin PCIe power connectors extending from one end.



A detailed close-up of the ten 6-pin PCIe power connectors, which are essential for connecting the power supply to compatible Antminer devices.



The rear panel of the APW3++ power supply, featuring the AC power input socket and the cooling fan, which is crucial for heat dissipation.

5. **Connect to Wall Outlet:** Plug the other end of the AC power cable into a grounded electrical outlet. Ensure the outlet provides the correct voltage (110-120V or 220-240V) for your intended operation.

5. OPERATING INSTRUCTIONS

- **Power On:** Once all connections are secure and the AC power cable is plugged into the wall outlet, the power supply will activate. There is no separate power switch.
- **Voltage Considerations:** The power supply automatically adjusts to the input voltage. For maximum output (1600W), a 220V-240V input is required. At 110V-120V, the maximum output is 1200W. Ensure your electrical infrastructure supports the desired wattage.
- **Noise Level:** The power supply operates with a cooling fan. While the PSU itself has a moderate noise level, the connected Antminer device (e.g., S9) typically produces significantly higher noise levels (e.g., 85-90 dB).
- **Power Off:** To power off the unit, safely disconnect the AC power cable from the wall outlet.

6. MAINTENANCE

- **Dust Removal:** Regularly inspect the power supply and its fan for dust accumulation. Use compressed air to gently clean the fan and vents to ensure optimal airflow and prevent overheating.
- **Airflow:** Ensure the area around the power supply remains clear of obstructions to allow for proper air

circulation.

- **Fan Check:** Periodically check the cooling fan for proper operation. A non-functional fan can lead to rapid overheating and damage to the power supply.

7. TROUBLESHOOTING

- **Power Supply Not Turning On:**
 - Verify that the AC power cable is securely connected to both the power supply and a functional wall outlet.
 - Check the wall outlet with another device to confirm it is receiving power.
 - Ensure the power cable itself is not damaged.
- **Overheating:**
 - Check for obstructions around the power supply's air vents.
 - Clean any dust accumulation from the fan and vents.
 - Verify that the internal cooling fan is operating correctly. A faulty fan can cause rapid temperature increases.
- **Unit Not Providing Full Power:**
 - Confirm that the input voltage matches the requirements for the desired output (e.g., 220-240V for 1600W).
 - Ensure the power cable used is of adequate gauge (e.g., 14-gauge or higher for 1600W operation).
- **Spark When Connecting/Disconnecting Power:**
 - This is a normal occurrence due to the absence of a power switch. Exercise caution when plugging in or unplugging the unit.

8. SPECIFICATIONS

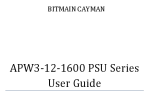
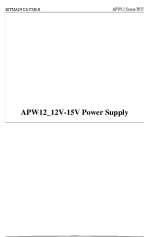
Feature	Detail
Model Name	APW3++
Manufacturer	Bitmain
Product Dimensions	13 x 7 x 5 inches
Item Weight	4.6 pounds
Compatible Devices	Personal Computer (Antminer L3+/S9/T9/D3)
Connector Type	PCI Express (10 x 6-pin)
Output Wattage (110-120V)	1200 watts
Output Wattage (220-240V)	1600 watts
Form Factor	ATX
Cooling Method	Air

9. WARRANTY AND SUPPORT

This product may be covered by a limited warranty provided by the seller. For specific warranty terms and duration, please refer to the purchase agreement or contact your point of sale. For example, some sellers may offer a 15-day warranty on used units.

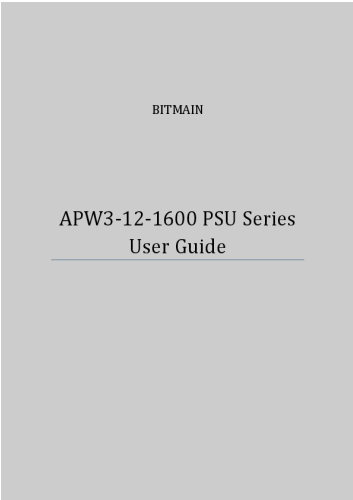
For technical support or inquiries, please contact the retailer or seller from whom you purchased the Bitmain APW3++ power supply.

Related Documents - APW3++

	Bitmain APW3-12-1600 PSU Series User Guide User guide for the Bitmain APW3-12-1600 series AC-DC PSU, detailing its features, specifications, remote on/off functionality, order information, troubleshooting, and precautions for use.
	Bitmain APW12 Series 12V-15V Power Supply Technical Manual Detailed technical specifications, features, exterior design, precautions, and troubleshooting guide for the Bitmain APW12 Series 12V-15V DC Power Supply, designed for servers and mining machines.
	Bitmain AntMiner S2 User Manual This manual provides comprehensive instructions for setting up, configuring, and maintaining the Bitmain AntMiner S2, a 1TH/s bitcoin miner.
	Bitmain AntMiner R4 Manual: Setup, Configuration, and Operation Comprehensive user manual for the Bitmain AntMiner R4, covering setup, power supply, miner configuration, status monitoring, system upgrades, and password modification. Includes technical specifications and operational guidance.
	Antminer S21 XP (270Th) Complete Guide: Specifications, Setup, and Mining Comprehensive guide to the Bitmain Antminer S21 XP (270Th) ASIC miner, covering technical specifications, setup instructions, mineable coins, maintenance, and overclocking for Bitcoin mining.

	Complete Guide to Bitmain Antminer L7 (9300Mh/s): Specifications, Maintenance, and Optimization A comprehensive guide to the Bitmain Antminer L7 (9300Mh/s) ASIC miner, detailing its technical specifications, supported cryptocurrencies, purchase options, essential maintenance practices, safe overclocking methods, troubleshooting tips, and humidity control strategies for optimal performance and profitability in cryptocurrency mining.
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Documents - Bitmain – APW3



[\[pdf\]](#) Frequently Asked Questions Specifications Guide

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BITMAIN APW3-12-1600 PSU Series User Guide AntMiner PSU APW3-12-1600 Series Contents 1 Overview

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Features.....

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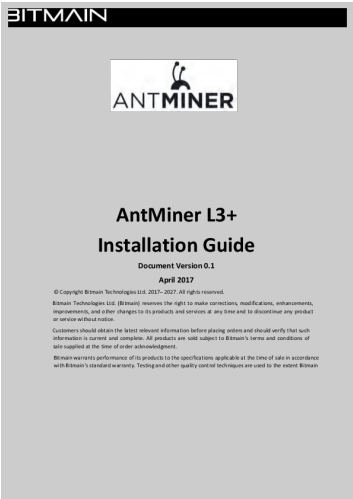
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APW3-12-1600 PSU Series User Guide

[Bitmain APW3-12-1600 PSU Series User Guide](#)

User guide for the Bitmain APW3-12-1600 series AC-DC PSU, detailing its features, specifications, remote on/off functionality, order information, troubleshooting, and precautions for use.

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[Bitmain Antminer X3 Server Installation Guide](#)

Comprehensive installation guide for the Bitmain Antminer X3 server, covering setup, configuration, monitoring, administration, and regulatory information. Learn how to install and manage your X3 mining hardware.

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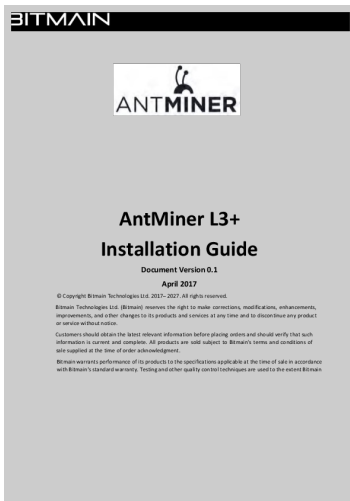


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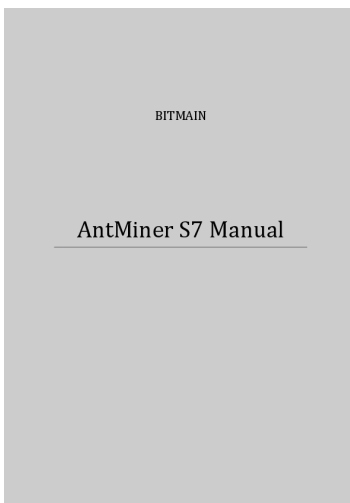
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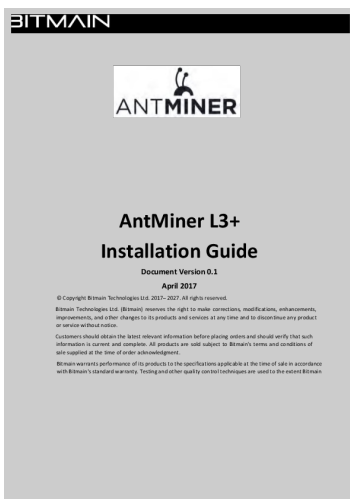
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[AntMiner S7 Manual - BITMAIN](#)

Comprehensive user manual for the BITMAIN AntMiner S7 cryptocurrency mining hardware, covering setup, configuration, power supply, status monitoring, firmware upgrades, and troubleshooting.

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[AntMiner L3+ Installation Guide - Bitmain](#)

This guide provides detailed instructions for installing, configuring, and managing the Bitmain AntMiner L3+ ASIC miner, including setup, power connection, pool configuration, firmware updates, and monitoring.

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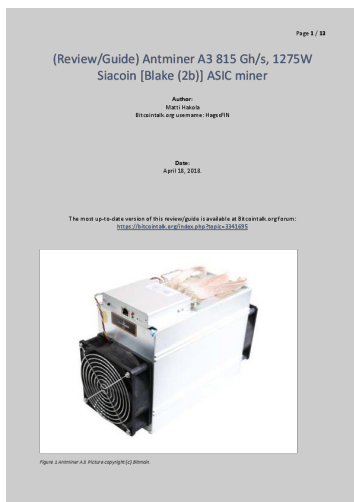


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[Bitmain Antminer S9 Server Installation Guide](#)

Comprehensive installation guide for the Bitmain Antminer S9 server, detailing hardware setup, power connection, software configuration, and operational monitoring.

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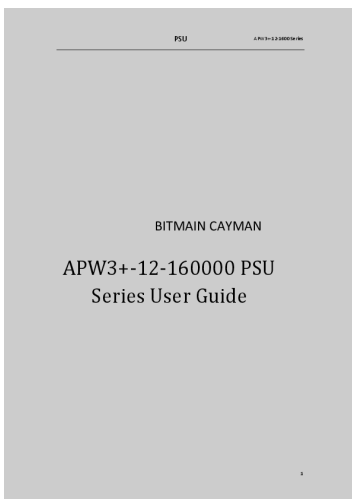


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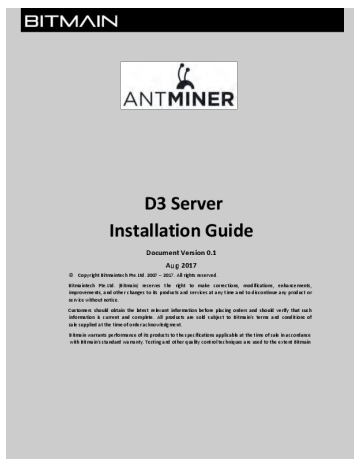


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Page 1 / 11 Review/Guide Ebit E9 Plus 9.0 Th/s, 1300W Bitcoin SHA-256 ASIC miner Author: Matti H ... least 10x PCI-E 6-pin connectors, everyone with a dedicated cable, at least 18AWG wires. I used the **APW3** 1600W power supply manufacturer: Bitmain to power my miner. I recommend a 1600W power capac...

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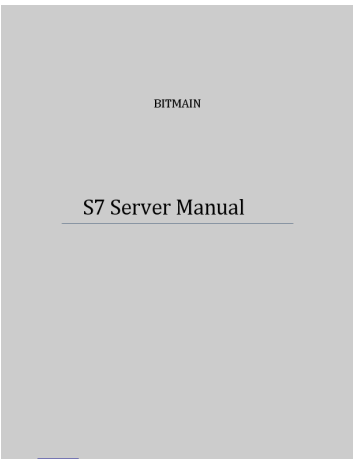
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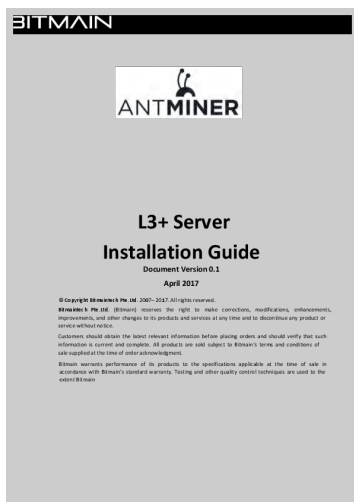
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AntMiner S9 Installation Guide Bitmain Avi Eliav D3 6 AntMinerD3InstallationGuide 1 2 Specification Hash Rate 17 GH s±5% Rated voltage 11 60 ~ 13 00V Frequency 487M Estimated wall outlet power consumption with APW3 93% efficiency 25°C ambient temperature To check your firmware version In System click the Overview tab File Version displays date of miner use antminerdistribution 2017 AntMiner D3 Installation Guide Document Version 0.1 Aug 2017 Copyright Bitmain Technologies Ltd. 2007 2016. All rights reserved. Bitmain Technologies Ltd. Bitmain reserves the right to make corrections, modifications, enhancements, improvements, and other changes to its products and services at ... lang:en score:37 filesize: 1.74 M page_count: 16 document date: 2017-09-26



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server is Bitmain s newest version in the series All servers are tested antminerdistribution 2018 08

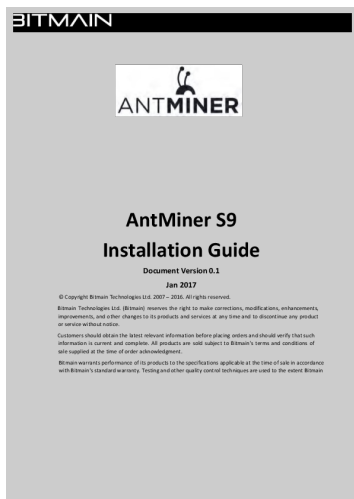
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Bitmaintech Pte.Ltd. 2006 A 5 7 DC Power 12V DC input 25 247 W 5 8 220VAC

Power 25 ,93 conversion efficiency of **APW3** 266 W 5 220VAC Power efficiency 9 25

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higher input voltage will To set up the file IPReporter zip is supported by Windows only bitcoin shop

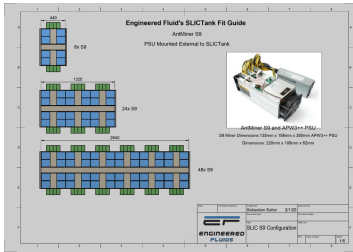
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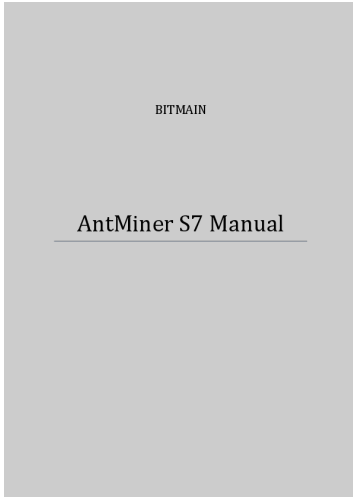
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1 2 3 4 5 6 7 8 440 Engineered Fluid s SLICTank Fit Guide A A A ntMiner S9 8x S9 External to LICT k PSU Mounted S an B B 1320 C D E F 1 24x S9 2640 2 3 4 C AntMiner S9 and **APW3** PSU S9 Miner Dimensions:135mm x 158mm x 350mm **APW3** PSU Dimensions: 220mm x 108mm x 62mm D 48x...

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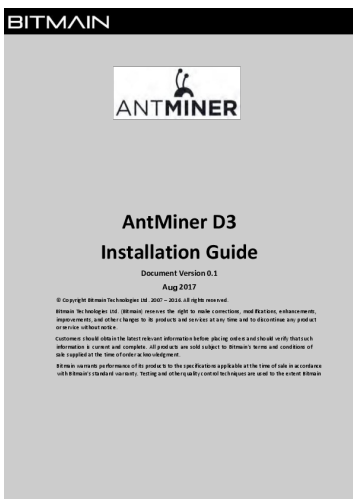
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AntMiner D3 Installation Guide Manual Avi Eliav ASIC miner sales and 4 Configuring the Miner 1 Setting Up Pool To configure In Configuration click General Settings 2 Set options according to following table Option Description URL Enter of your desired pool The can be set up with three mining pools decreasing zeusbtc manuals user Zeus Mining power connect PSUs wall outlet Each hashboard must powered by same PSU on both connectors to Document Version 0 Aug 2017 © Copyright Bitmain Technologies Ltd 2007 2016 All rights reserved reserves right make corrections modifications es |||

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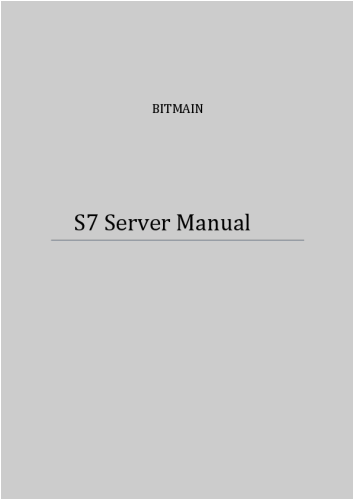
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