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SilverStone SST-ST75F-PB

SilverStone Strider Bronze ST75F-PB 750W ATX Power Supply User Manual

Model: SST-ST75F-PB

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SilverStone Strider Bronze ST75F-PB 750W ATX Power Supply. Please read this manual thoroughly before installation to ensure proper and safe usage of the product.
The SilverStone Strider Bronze ST75F-PB is a high-efficiency power supply designed for reliable performance in various computing systems. It features 80 PLUS Bronze certification, a fully modular cable design for easy cable management, and a quiet 120mm fan.

Safety Information

WARNING: High Voltage Inside! Do not open the power supply unit. There are no user-serviceable parts inside. Opening the casing will void the warranty and poses a risk of electric shock.

- Ensure the power supply is disconnected from the AC outlet before installation or handling.
- Install the power supply in a well-ventilated area, away from heat sources and moisture.
- Use only the modular cables provided with this power supply. Using incompatible cables may damage the PSU or connected components.
- Do not force connectors. Ensure correct orientation before plugging in cables.
- If the power supply is damaged or not functioning correctly, do not attempt to repair it. Contact SilverStone support for assistance.

Image: Detailed view of the power supply's warning label, indicating electrical specifications and important safety precautions regarding high voltage and non-user-serviceable components.

Package Contents

Please verify that all items listed below are included in your package:

- SilverStone Strider Bronze ST75F-PB 750W ATX Power Supply
- Modular Cable Set (including ATX 20+4 pin, EPS/ATX 4+4 pin, PCIe 6+2 pin, SATA, and Peripheral connectors)
- Mounting Screws
- AC Power Cord
- User Manual
- Warranty Information

Image: All components included in the product package, featuring the power supply unit, a comprehensive set of modular cables, mounting screws, and the user manual.

Product Overview

The SilverStone Strider Bronze ST75F-PB is designed for optimal performance and ease of use. Below are key views of the unit:

Front and side view of the power supply, highlighting the branding, model, and modular cable connections.

Rear and side view, providing a clearer look at the modular cable interface.

Top-down view, showcasing the silent 120mm cooling fan.

Installation Guide

Before Installation

- Ensure your computer case supports ATX power supplies.
- Turn off your computer and unplug the AC power cord from the wall outlet.
- Discharge any static electricity by touching a grounded metal object before handling components.
- Remove your old power supply if applicable.

Physical Installation

1. Carefully place the ST75F-PB power supply into the PSU mounting bay of your computer case.
2. Secure the power supply to the case using the provided mounting screws.

3. Connect the necessary modular cables to the power supply unit first. Refer to the labels on the PSU and cables for correct connections (e.g., 24-pin ATX, 8-pin EPS, 6+2 pin PCIe, SATA, Peripheral).
4. Route the cables neatly through your case's cable management system.
5. Connect the other end of each modular cable to the corresponding components (motherboard, CPU, graphics card, storage drives, etc.).
6. Ensure all connections are firm and secure.
7. Connect the AC power cord to the power supply's AC inlet and then to a wall outlet.
8. Flip the power switch on the back of the PSU to the 'ON' position.

Image: An angled view of the power supply, useful for visualizing its placement and modular cable connections during installation.

Operation

Once installed, the SilverStone Strider Bronze ST75F-PB operates automatically to provide stable power to your system. Key operational features include:

- **High Efficiency:** 80 PLUS Bronze certification ensures efficient power conversion, reducing heat and electricity waste.
- **Continuous Power Output:** Designed for 24/7 continuous power output at an operating temperature of 40°C.
- **Modular Cables:** 100% modular cables with flexible flat arrays simplify installation and improve airflow within the case.
- **Single +12V Rail:** Features a class-leading single +12V rail for robust power delivery to demanding components.
- **Voltage Regulation:** Strict 3% voltage regulation and low ripple & noise ensure stable and clean power delivery.
- **Silent Cooling:** Equipped with a silent running 120mm fan, operating at a low 18dBA for quiet performance.
- **PCIe Support:** Includes PCIe 8/6pin connectors to support modern graphics cards.

Maintenance

Proper maintenance can extend the lifespan of your power supply and ensure optimal performance:

- **Dust Removal:** Periodically clean dust from the power supply's fan and vents using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Airflow:** Ensure adequate airflow around the power supply. Do not block the intake or exhaust vents.
- **Cable Management:** Maintain tidy cable management to prevent obstruction of airflow inside the case.
- **Environmental Conditions:** Operate the power supply within recommended temperature and humidity ranges.

Troubleshooting

If you encounter issues with your power supply, refer to the following common problems and solutions:

- **No Power:**
  - Check if the AC power cord is securely plugged into both the wall outlet and the PSU.
  - Ensure the power switch on the back of the PSU is in the 'ON' position.
  - Verify that the 24-pin ATX and 8-pin EPS/CPU cables are correctly connected to the motherboard.
  - Test the wall outlet with another device to confirm it has power.
- **System Instability/Crashes:**
  - Ensure all modular cables are fully seated into both the PSU and the components.
  - Check if your system's power requirements exceed the PSU's 750W capacity.
  - Verify that the PSU fan is spinning and not obstructed.
- **Loud Fan Noise:**
  - Clean any dust buildup from the fan and vents.
  - Ensure the PSU is not overheating due to poor case airflow or high ambient temperatures.

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

Technical Specifications

Below are the detailed specifications for the SilverStone Strider Bronze ST75F-PB power supply:

Feature	Specification
Model Number	SST-ST75F-PB
Brand	SilverStone
Output Wattage	750 Watts
80 PLUS Certification	Bronze
Form Factor	ATX
Modular Cables	100% Modular
Cooling Method	Air (120mm fan)
Input Voltage	115-240V
Dimensions (LxWxH)	5.91 x 3.39 x 5.51 inches (150 x 86 x 140 mm)
Weight	1 pounds (approx.)
Operating Temperature	Up to 40°C for 24/7 continuous output

Warranty and Support

SilverStone Technology products are manufactured with high-quality standards and come with a limited warranty. Please refer to the warranty information card included in your package for specific terms and conditions, including warranty period and coverage details.
For technical support, troubleshooting assistance, or warranty claims, please visit the official SilverStone Technology website or contact their customer service department. Have your product model number (SST-ST75F-PB) and proof of purchase ready when contacting support.
SilverStone Official Website: www.silverstonetek.com

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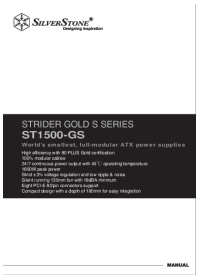
	[SilverStone SST-SX600-G SFX Series 600W Power Supply Overview] Detailed overview of the SilverStone SFX Series SST-SX600-G, a 600W SFX form factor power supply unit (PSU) featuring 80 PLUS Gold efficiency, semi-fanless operation, and 100% modular cables for PC builds.
	[SilverStone ST1500-GS Strider Gold S Series ATX Power Supply Specifications] Detailed specifications for the SilverStone ST1500-GS Strider Gold S Series ATX power supply, featuring 1600W peak power, 80 PLUS Gold certification, full modularity, and compact design.
	[SilverStone Strider Titanium Series ATX Power Supplies (ST80F-TI, ST70F-TI, ST60F-TI) - Specifications and Guide] Comprehensive specifications and installation guide for SilverStone Strider Titanium Series ATX power supplies, including models ST80F-TI, ST70F-TI, and ST60F-TI. Details AC/DC input/output, protection features, timing, environment, EMC, MTBF, and mechanical specifications.

Documents - SilverStone – SST-ST75F-PB

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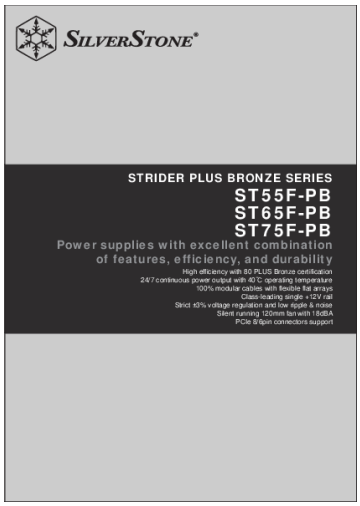

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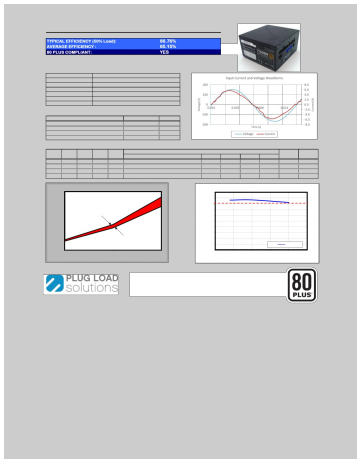

[pdf] Specifications

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80 PLUS Verification and Testing Report TYPICAL EFFICIENCY 50 Load : AVERAGE EFFICIENCY : 80 PLUS COMPLIANT: 86.76 85.15 YES Current A ID Number Manufacturer Model Number Serial Number Year Type Test Date 5552 SilverStone Technology Co., Ltd. **SST-ST75F-PB** N/A 2019 ATX12V,PS2 4/23/19 Rate...

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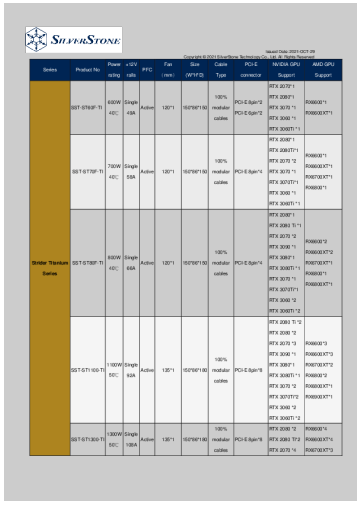

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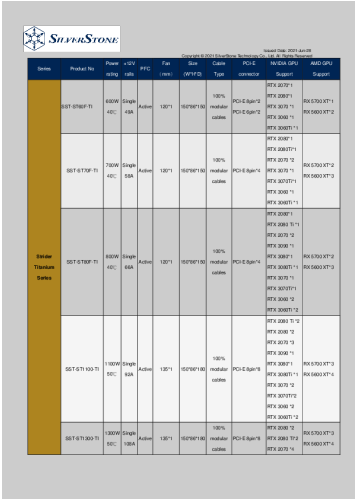

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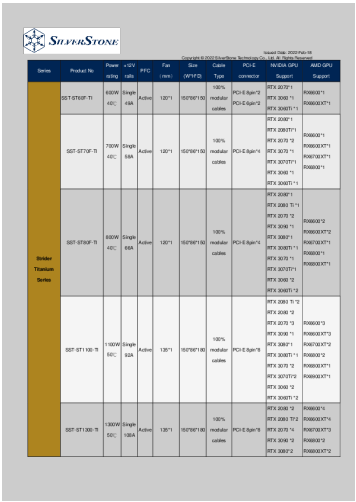

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