

FSP PPF8001328

FSP Champ Tower 1K UPS User Manual

Model: PPF8001328

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your FSP Champ Tower 1K Double-Conversion Uninterruptible Power Supply (UPS). The FSP Champ Tower 1K UPS is designed to provide reliable power protection for critical electronic equipment, ensuring continuous operation during power outages and protecting against various power disturbances. Please read this manual thoroughly before installation and operation to ensure proper use and maximize the lifespan of your unit.

2. SAFETY INSTRUCTIONS

Please adhere to the following safety precautions to prevent injury and damage to the UPS or connected equipment:

- **Electrical Safety:** The UPS contains hazardous voltages. Do not attempt to disassemble the unit. Servicing should only be performed by qualified personnel.
- **Grounding:** Always connect the UPS to a grounded AC power outlet.
- **Environment:** Install the UPS in a well-ventilated area, free from excessive dust, humidity, and extreme temperatures. Avoid direct sunlight.
- **Liquid Exposure:** Do not expose the UPS to rain or moisture. Do not place containers with liquids on or near the UPS.
- **Overload:** Do not overload the UPS. Ensure the total power consumption of connected equipment does not exceed the UPS's rated capacity.
- **Battery Handling:** Batteries can present a risk of electrical shock and high short-circuit current. Observe proper precautions when working with batteries.
- **Emergency Shutdown:** Familiarize yourself with the location of the power button and the procedure for emergency shutdown.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all items listed below are included and undamaged. If any items are missing or damaged, contact your dealer immediately.

- FSP Champ Tower 1K UPS Unit
- User Manual (this document)
- USB Communication Cable
- RS232 Communication Cable
- Power Input Cable
- Output Power Cables (quantity may vary by region)

4. PRODUCT OVERVIEW

4.1 Front Panel



Figure 4.1: Front view of the FSP Champ Tower 1K UPS. This image displays the front of the UPS unit, featuring a prominent blue LCD screen that shows real-time status information such as input/output voltage, load level, and battery status. Below the screen are control buttons labeled 'ON/MUTE', 'SELECT', and 'OFF/ENTER' for managing the UPS functions and navigating the display. The lower section of the front panel has ventilation grilles.

The front panel features an LCD display and control buttons for monitoring and managing the UPS. The LCD provides real-time information on input/output voltage, load level, battery status, and operational mode. The buttons allow for power control, menu navigation, and alarm muting.

4.2 Rear Panel



Figure 4.2: Rear view of the FSP Champ Tower 1K UPS. This image shows the back panel of the UPS, which includes several key connections. On the left, there is an 'INPUT' power connector (IEC C14) with a 'CIRCUIT BREAKER' button above it. To the right,

there are three 'OUTPUT' power receptacles (IEC C13) for connecting protected devices. Above these, communication ports are visible: a USB port, an RS232 port, and an 'INTELLIGENT SLOT' for optional network management cards.

The rear panel provides all necessary connections for power input, protected power output, and communication interfaces:

- **Input Power Connector:** Connects the UPS to the utility power source.
- **Output Receptacles:** Provide battery-backed and surge-protected power to connected equipment.
- **Circuit Breaker:** Provides overload protection for the UPS.
- **USB Port:** For connecting to a computer for monitoring and shutdown software.
- **RS232 Port:** Serial communication port for monitoring and control.
- **Intelligent Slot:** For optional SNMP or relay cards to enhance network management capabilities.

5. INSTALLATION

1. **Unpacking:** Carefully unpack the UPS and inspect for any shipping damage.
2. **Placement:** Place the UPS on a flat, stable surface in a clean, well-ventilated area. Ensure adequate clearance around the unit for airflow.
3. **Initial Charging:** Before initial use, connect the UPS to a grounded AC outlet and allow it to charge for at least 8 hours without any load connected. This ensures optimal battery performance.
4. **Connecting Equipment:**
 - Connect your critical equipment (computers, monitors, network devices) to the UPS output receptacles.
 - Do not connect laser printers or strip heaters to the UPS output, as their high power draw can overload the unit.
5. **Communication Connections:** Connect the USB or RS232 cable from the UPS to your computer for monitoring and automatic shutdown capabilities. Install the provided monitoring software (if applicable) on your computer.

6. OPERATION

6.1 Powering On the UPS

1. Ensure the UPS is connected to a utility power source and has completed its initial charge.
2. Press and hold the 'ON/MUTE' button on the front panel for approximately 2 seconds until you hear a beep. The UPS will start and the LCD display will illuminate.
3. The UPS will perform a self-test and then enter online mode, providing power to connected equipment.

6.2 Powering Off the UPS

1. If the UPS is supplying power from the battery (during a power outage), first shut down all connected equipment gracefully.
2. Press and hold the 'OFF/ENTER' button on the front panel for approximately 2 seconds until you hear a beep. The UPS will shut down.
3. To completely remove power, disconnect the UPS from the AC utility outlet.

6.3 LCD Display and Control Buttons

The LCD display provides critical status information. Use the 'SELECT' button to cycle through different display

parameters (e.g., input voltage, output voltage, battery capacity, load percentage). The 'ON/MUTE' button can also be used to mute audible alarms during certain events.

7. MAINTENANCE

- **Battery Care:** To maintain optimal battery life, ensure the UPS is connected to AC power continuously. Avoid frequent deep discharges. Perform a battery calibration test (if available via software) periodically.
- **Cleaning:** Keep the UPS clean and free of dust. Use a dry cloth to wipe the exterior. Do not use liquid cleaners or solvents. Ensure ventilation openings are clear.
- **Battery Replacement:** Batteries are consumable items and will eventually require replacement. Refer to the manufacturer's guidelines for battery replacement procedures. This should only be performed by qualified service personnel.
- **Storage:** If storing the UPS for an extended period, ensure it is fully charged, then disconnect it from AC power. Recharge the UPS every 3-6 months to prevent battery degradation.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your UPS. If the problem persists after attempting these solutions, contact technical support.

Problem	Possible Cause	Solution
UPS does not turn on.	No AC input power; Low battery; UPS fault.	Check AC power connection and outlet. Allow UPS to charge for several hours. If problem persists, contact support.
UPS beeps continuously.	On battery mode; Overload; Battery fault.	Check AC input. Reduce connected load. Check battery status on LCD.
Connected equipment loses power during outage.	UPS overloaded; Battery depleted; UPS fault.	Ensure total load is within UPS capacity. Allow battery to fully charge. Contact support if issue persists.
Communication software not working.	Incorrect cable; Driver issue; Software settings.	Verify USB/RS232 cable connection. Reinstall drivers/software. Check software communication settings.

9. SPECIFICATIONS

Feature	Detail
Brand	FSP
Model Number	PPF8001328
Type	Double-Conversion (Online) UPS
Capacity	1 kVA / 900 W
Color	Black

Feature	Detail
Manufacturer	FSP
ASIN	B0D22RGTJP
Date First Available	July 15, 2024

10. WARRANTY AND SUPPORT

FSP products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official FSP website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact FSP customer support through their official channels. Contact information can typically be found on the FSP website or in the product packaging.

Online Resources: For additional information, software downloads, and FAQs, please visit the [FSP Official Store on Amazon](#) or the main FSP website.