

SPS RPB_SPS_1280_1_UPS_4145

SPS Brand 12V 8Ah Replacement Battery

INSTRUCTION MANUAL FOR BELKIN HOME OFFICE UPS 650VA F6H650-USB

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your SPS Brand 12V 8Ah Replacement Battery, specifically designed for the Belkin Home Office UPS 650VA F6H650-USB. This sealed lead-acid (SLA) battery utilizes Absorbent Glass Mat (AGM) technology for superior performance and reliability. Please read this manual thoroughly before installation and operation.

2. SAFETY INFORMATION

WARNING: Improper handling or installation of batteries can lead to serious injury or damage. Always follow these safety guidelines:

- **California Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm, including Arsenic, Strong inorganic acid mists (including sulfuric acid), and Lead.
- **Hazardous Substance:** This product is considered a Hazardous Substance and requires an MSDS/SDS. Handle with care.
- **Do Not Short:** Never short-circuit the battery terminals. This can cause severe burns, fire, or explosion.
- **Do Not Disassemble:** Do not attempt to disassemble, modify, or open the battery. There are no user-serviceable parts inside.
- **Avoid Heat and Incineration:** Do not expose the battery to temperatures above 85°C (185°F) or incinerate it. This can cause explosion.
- **Ventilation:** Do not charge the battery in a sealed container or unventilated area. Ensure adequate ventilation during charging.
- **Eye and Skin Protection:** Always wear appropriate eye protection and gloves when handling batteries.
- **Disposal:** Dispose of used batteries according to local regulations. Do not dispose of in household waste.

3. PRODUCT OVERVIEW

The SPS Brand 12V 8Ah Replacement Battery is a non-spillable, sealed lead-acid battery designed for reliable power backup in compatible UPS systems.



Figure 1: SPS Brand 12V 8Ah Sealed Lead-Acid Replacement Battery. This image shows a black rectangular SPS Brand 12V 8Ah sealed lead-acid battery with white text labels indicating model number SG1280T1, voltage, and various safety warnings. It features two terminals on the top, one red (positive) and one with a clear cap (negative).

4. SETUP AND INSTALLATION

This battery is a replacement component. For detailed installation instructions, please refer to the original operations manual for your Belkin Home Office UPS 650VA F6H650-USB. General steps for battery replacement typically include:

1. **Power Down:** Ensure the UPS is completely powered off and disconnected from the AC power source.
2. **Access Battery Compartment:** Locate and open the battery compartment of your UPS.
3. **Disconnect Old Battery:** Carefully disconnect the terminals of the old battery, noting the polarity (positive and negative).

4. **Remove Old Battery:** Remove the old battery from the compartment.
5. **Insert New Battery:** Place the new SPS replacement battery into the compartment.
6. **Connect New Battery:** Connect the terminals of the new battery, ensuring correct polarity. The red terminal is positive (+), and the black/clear terminal is negative (-).
7. **Secure Compartment:** Close and secure the battery compartment.
8. **Initial Charge:** Connect the UPS to AC power and allow it to charge the new battery fully before relying on it for backup power.

Voltage Matching: If your equipment uses more than one battery, it is recommended to replace all batteries simultaneously with batteries from the same manufacturing batch to ensure optimal performance and extend the life of both the batteries and the equipment.

5. OPERATING INSTRUCTIONS (CHARGING)

This battery is designed to be charged by a compatible UPS or battery charger. The following are the recommended charging parameters:

- **Constant Voltage Charge (at 25°C / 77°F):**
 - **Cycle Use:** 14.40 - 14.70 Volts
 - **Standby Use:** 13.50 - 13.80 Volts
- **Initial Current:** Less than 2.0 Amperes
- **Recharge After Use:** Always recharge the battery immediately after each use to maintain its capacity and lifespan.

6. MAINTENANCE

The SPS 12V 8Ah battery is a maintenance-free sealed lead-acid battery. However, following these guidelines can help maximize its lifespan:

- **Regular Charging:** Ensure the battery is kept charged, especially if stored for extended periods. A fully discharged battery can be permanently damaged.
- **Temperature:** Store and operate the battery within recommended temperature ranges (typically 20-25°C or 68-77°F) to optimize performance and lifespan. Extreme temperatures can reduce battery life.
- **Clean Terminals:** Keep battery terminals clean and free of corrosion. Use a dry cloth to wipe them if necessary.
- **Physical Inspection:** Periodically inspect the battery for any signs of damage, swelling, or leaks. If any issues are observed, discontinue use and replace the battery.

7. TROUBLESHOOTING

If you experience issues with your replacement battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**
 - Verify that the UPS is properly connected to AC power.
 - Check all battery connections for secure contact and correct polarity.
 - Ensure the UPS itself is functioning correctly. Refer to the UPS manual.
- **Short Battery Life/Runtime:**
 - Ensure the battery has been fully charged before use.

- Verify that the load connected to the UPS does not exceed its capacity.
- Extreme temperatures can reduce battery performance.
- If the battery is old, its capacity may have naturally degraded.

• **Physical Damage/Swelling:**

- If the battery shows signs of swelling, leakage, or severe damage, discontinue use immediately. Do not attempt to charge or use it. Dispose of it safely according to local regulations.

For persistent issues or concerns, please contact the manufacturer or a qualified technician.

8. SPECIFICATIONS

Specification	Value
Product Dimensions	5.94 x 2.56 x 3.7 inches
Item Weight	7 pounds
Item Model Number	RPB_SPS_1280_1_UPS_4145
Battery Type	Sealed Lead-Acid (SLA)
Battery Cell Composition	Lead Acid
Battery Capacity	8 Amp Hours (8Ah)
Voltage	12V
Number of Batteries Required	1
Recommended Uses For Product	Indoor
Manufacturer	Sigma Power Systems

9. WARRANTY AND SUPPORT

The SPS Brand 12V 8Ah Replacement Battery for Belkin Home Office UPS 650VA F6H650-USB comes with **one-year warranty** when used under normal conditions. This warranty covers defects in materials and workmanship.

For warranty claims, technical support, or further inquiries, please contact the manufacturer, Sigma Power Systems, or your point of purchase. Please have your product model number (RPB_SPS_1280_1_UPS_4145) and purchase information ready when contacting support.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question