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Salicru SPS SOHO 600VA

Salicru SPS.600.SOHO+ Uninterruptible Power Supply (UPS) User Manual

Model: SPS SOHO 600VA

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Salicru SPS.600.SOHO+ Uninterruptible Power Supply (UPS). Please read this manual thoroughly before installation and use, and retain it for future reference. The Salicru SPS.600.SOHO+ is designed to protect your electronic equipment from power outages, surges, and fluctuations, ensuring a stable power supply.

2. SAFETY INSTRUCTIONS

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not install the UPS in direct sunlight, near heat sources, or in environments with excessive dust, humidity, or corrosive substances.
- Ensure the UPS is placed on a stable, flat surface.
- Connect the UPS to a grounded AC power outlet only.
- Do not connect appliances that could overload the UPS, such as laser printers or heaters, to the battery-backed outlets.
- In case of fire, use a dry chemical extinguisher. Water can cause electrical shock.
- The battery inside the UPS is a Sealed Lead Acid (VRLA) type. Do not dispose of batteries in a fire, as they may explode. Follow local regulations for battery disposal.

3. PRODUCT OVERVIEW

The Salicru SPS.600.SOHO+ UPS provides reliable power protection for your home or office equipment. Below is an image of the unit, highlighting its compact design and front panel display.



Figure 3.1: Angled view of the Salicru SPS.600.SOHO+ Uninterruptible Power Supply. This image shows the compact red and black casing with the front LCD display and power button.

3.1 Front Panel



Figure 3.2: Front panel of the Salicru SPS.600.SOHO+ UPS. The front panel features an LCD screen displaying input/output voltage and operational status, along with a power button.

1. **LCD Display:** Shows real-time status information such as input/output voltage, battery level, and operating mode.
2. **Power Button:** Used to turn the UPS on or off.

3.2 Rear Panel

The rear panel contains the input power connector, output receptacles, and communication ports.

1. **AC Input:** Connects the UPS to the utility power outlet.
2. **AC Output Receptacles (2x Type F):** Provide battery backup and surge protection for connected equipment.
3. **USB 2.0 Port:** For communication with a computer to monitor UPS status and perform controlled shutdowns.
4. **RJ11 Port:** Provides surge protection for telephone/modem/network lines.

4. SETUP

4.1 Unpacking

1. Carefully remove the UPS from its packaging.
2. Inspect the unit for any shipping damage. If damage is found, do not operate the unit and contact your dealer.
3. Retain the packaging materials for future transport or storage.

4.2 Placement

- Place the UPS in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Ensure there is adequate clearance around the unit for proper airflow.
- Avoid placing the UPS near equipment that generates strong electromagnetic fields.

4.3 Connecting to Power

1. Connect the UPS power cord to a grounded wall outlet.
2. Allow the UPS to charge for at least 8 hours before initial use to ensure optimal battery performance.

4.4 Connecting Devices

1. Plug your critical equipment (e.g., computer, monitor) into the AC output receptacles on the rear panel. These outlets provide battery backup and surge protection.
2. For surge protection of telephone, modem, or network lines, connect the incoming line to the RJ11 'IN' port and your device to the RJ11 'OUT' port.
3. Connect the USB cable from the UPS to your computer for monitoring and automatic shutdown features (software may be required, refer to Salicru website).

5. OPERATING

5.1 Turning On/Off

- **To Turn On:** Press and hold the power button on the front panel for approximately 3 seconds until you hear a beep and the LCD display illuminates.
- **To Turn Off:** Press and hold the power button for approximately 3 seconds until the display turns off.

5.2 LCD Display Information

The LCD display provides real-time status:

- **Input Voltage:** Displays the current utility power voltage.
- **Output Voltage:** Shows the voltage supplied by the UPS to connected devices.
- **Battery Level:** Indicates the remaining battery charge.

- **Operating Mode:** Shows if the UPS is in Line Mode (utility power), AVR Mode (Automatic Voltage Regulation), or Backup Mode (on battery).
- **Load Level:** Indicates the percentage of the UPS's capacity being used by connected equipment.

5.3 Cold Start Function

The cold start function allows you to power on the UPS and connected equipment using only battery power, even if utility power is unavailable. To perform a cold start, ensure the UPS is off, then press and hold the power button for approximately 5-7 seconds until the UPS powers on and enters backup mode.

5.4 Automatic Restart

The UPS features an automatic restart function. When utility power is restored after a power outage and the battery is sufficiently charged, the UPS will automatically restart and resume normal operation.

6. MAINTENANCE

6.1 Battery Care

- To maximize battery life, keep the UPS connected to a power outlet to ensure the battery remains charged.
- Avoid frequent deep discharges of the battery.
- Perform a battery calibration (if supported by monitoring software) every 3-6 months to maintain accuracy of battery runtime estimates.

6.2 Cleaning

Use a soft, dry cloth to clean the exterior of the UPS. Do not use liquid or aerosol cleaners, as they may contain flammable substances or cause electrical shock.

6.3 Storage

If storing the UPS for an extended period, ensure the battery is fully charged. Recharge the battery every 3 months to prevent permanent damage. Store the unit in a cool, dry place.

6.4 Battery Replacement

The UPS is equipped with a Sealed Lead Acid (VRLA) battery. When the UPS indicates a 'Battery Replacement' alarm, it is recommended to replace the battery. Battery replacement should only be performed by qualified service personnel. Contact Salicru support or your dealer for assistance.

7. TROUBLESHOOTING

This section provides solutions to common issues you may encounter with your UPS.

Problem	Possible Cause	Solution
UPS does not turn on	No utility power; Battery discharged; UPS fault	Check power cord connection and wall outlet; Allow battery to charge for 8 hours; Contact support if issue persists.
UPS beeps continuously in Line Mode	Overload condition	Reduce the load by disconnecting non-essential equipment.

Problem	Possible Cause	Solution
UPS switches to Battery Mode frequently	Unstable utility power; Battery nearing end of life	Check utility power quality; Consider battery replacement if the issue is frequent and battery is old.
'Battery Replacement' alarm	Battery has reached its end of service life	Contact qualified service personnel for battery replacement.
No power to connected devices	UPS is off; Overload; Battery discharged	Turn on UPS; Reduce load; Allow battery to charge.

8. SPECIFICATIONS

Technical specifications for the Salicru SPS.600.SOHO+ UPS.

Feature	Detail
Model	SPS SOHO 600VA
Capacity	600 VA / 360 W
Input Voltage Range	162 V - 290 V
Output Voltage	230 V (with 10% regulation)
Frequency	50/60 Hz (auto-sensing)
Transfer Time	6 ms (typical)
Battery Type	Sealed Lead Acid (VRLA), 12 V
Typical Backup Time (Full Load)	20 minutes
AC Output Receptacles	2 x Type F
Communication Ports	1 x USB 2.0, 1 x RJ11 (Modem/Phone/Network protection)
Audible Alarms	Battery mode, Low battery, Overload, Fault, Battery replacement
Noise Level	40 dB
Dimensions (W x D x H)	10 x 33 x 14 cm
Weight	6 kg
Operating Temperature	0 - 40 °C
Certifications	EN-62040-2, EN-62040-3, EN-62040-1-1, EN-60950-1

9. WARRANTY INFORMATION

Salicru products are covered by a limited warranty. The specific terms and conditions of your warranty may vary by region

and purchase date. Please refer to the warranty card included with your product or visit the official Salicru website for detailed warranty information. Keep your proof of purchase for warranty claims.

For warranty details, visit: [Salicru Warranty Information](#)

10. SUPPORT

If you require technical assistance, have questions about your Salicru SPS.600.SOHO+ UPS, or need to report a problem, please contact Salicru customer support. Before contacting support, please have your product model number (SPS SOHO 600VA) and serial number ready.

For support resources, FAQs, and contact information, visit: [Salicru Support Page](#)