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## PNI SVM-1K

# PNI SVM1000VA Voltage Stabilizer User Manual

Brand: PNI | Model: SVM-1K

## INTRODUCTION AND PRODUCT OVERVIEW

The PNI SVM1000VA single-phase voltage stabilizer with servomotor is designed to maintain a stable output voltage. It automatically adjusts the voltage to a preset value when fluctuations occur in the mains supply.

Servomotor voltage stabilizers are known for their high capacity, efficiency, and lack of wave distortion. They provide automatic voltage adjustment and offer a long service life, making them suitable for a wide range of applications.

This device is ideal for protecting sensitive electronic equipment, including electromechanical equipment, industrial machinery, air conditioners, televisions, and other appliances that require a stable voltage supply.

## WHAT'S IN THE BOX

- PNI SVM1000VA Voltage Stabilizer Unit
- Power Cable

## SETUP INSTRUCTIONS

1. **Placement:** Position the voltage stabilizer on a stable, flat surface in a well-ventilated area. Ensure there is adequate space around the unit for heat dissipation. Avoid placing it near heat sources or in direct sunlight.

2. **Input Power Connection:** Connect the stabilizer's input power cable to a suitable 230V AC mains outlet. Ensure the outlet is properly grounded.
3. **Device Connection:** Connect your electronic devices to the 230V output sockets on the front panel of the stabilizer. Ensure the total power consumption of connected devices does not exceed the stabilizer's rated capacity (800W / 1000VA).
4. **Initial Power-On:** Before turning on the stabilizer, ensure all connections are secure. Flip the power switch to the "ON" position. The stabilizer will perform a self-check, and the output voltage meter will indicate the stabilized voltage.

*Refer to the "Product Images" section for visual guidance on connection points.*

## OPERATING INSTRUCTIONS

The PNI SVM1000VA operates automatically to stabilize the output voltage. When the input voltage fluctuates outside the acceptable range (170V-260V), the internal servomotor adjusts the transformer to bring the output voltage back to 230V  $\pm$ 3%.

### Front Panel Indicators:

- **Output Voltage Meter:** Displays the current output voltage.
- **Normal Indicator (Green LED):** Illuminates when the output voltage is within the normal operating range.
- **Overvolt Indicator (Red LED):** Illuminates if the output voltage exceeds the safe upper limit (e.g., 250V  $\pm$ 5V).
- **Lackvolt Indicator (Yellow LED):** Illuminates if the output voltage drops below the safe lower limit (e.g., 183V  $\pm$ 5V).
- **Fuse:** An 8A fuse is located on the front panel for circuit protection.

In case of an overvolt or lackvolt condition, the stabilizer will attempt to correct the voltage. If the condition persists or is severe, the unit may shut down to protect connected devices. The copper coil ensures high efficiency and a longer service life for the unit.

## MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the stabilizer with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings on the sides of the unit are not blocked. Proper airflow is crucial for preventing overheating.
- **Fuse Replacement:** If the fuse blows, disconnect the stabilizer from the mains power and replace it with a new 8A fuse of the same type. If fuses blow frequently, consult a qualified technician.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and moisture.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power/Unit does not turn on.	Power switch is off; Power cable not connected; Blown fuse; No input power.	Ensure power switch is ON. Check power cable connection. Replace the 8A fuse if blown. Verify mains power supply.
Output voltage is not stable.	Input voltage outside specified range; Overload; Internal fault.	Ensure input voltage is within 170V-260V. Reduce connected load to below 800W. If problem persists, contact support.
Overvolt/Lackvolt indicator is on.	Input voltage is too high/low; Stabilizer is actively correcting.	This indicates the stabilizer is working. If it remains on for extended periods without correction, check input voltage or reduce load.
Unit makes unusual noise.	Normal operation (servomotor movement); Loose components; Overload.	A slight hum or click during voltage adjustment is normal. If noise is loud or continuous, reduce load or contact support.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	7.48 x 6.69 x 5 inches
Item Weight	10.23 pounds
ASIN	B09THFRSV4
Item Model Number	SVM-1K
Date First Available	July 19, 2022
Manufacturer	Onlinesho SRL
Brand	PNI
Recommended Uses	Office (and general electronics requiring stable voltage)
Power Source	AC
Wattage	800 watts
Capacity	1000 VA / 800 Watt
Input Voltage Range	170Vac - 260Vac
Output Voltage	230V $\pm$ 3%

Feature	Detail
Overvoltage Protection	250V $\pm$ 5V
Undervoltage Protection	183V $\pm$ 5V
Shortcircuit Protection	Fuse (8A)

## PRODUCT IMAGES

### PNI SVM1000VA

AC automatic voltage regulator  
servo motor control

**Safe and reliable**  
Constantly stabilizes the output voltage, protecting every device connected against network fluctuations and limiting the risks of overload, shortcircuit or overheating.

Input voltage	: 170Vac-260Vac
Output voltage	: 230V $\pm$ 3%
Capacity	: 800W/1KVA
Overvoltage protection	: 250V $\pm$ 5V
Undervoltage protection	: 183V $\pm$ 5V
Shortcircuit protection	: Fuse





Main product view of the PNI SVM1000VA voltage stabilizer, showcasing its overall design and front panel.

**PNI SVM1000VA**  
 Stabilizator de tensiune  
 cu servomotor

**800W  
1KVA**

**3 iesiri 230V**  
 Conecteaza orice dispozitiv electronic (precum  
 computere, monitoare, console de jocuri,  
 televizoare, scule electrice, frigider etc.) in  
 cele doua iesiri cu o putere maxima de 800W.

**Nivel constant de tensiune**  
 Mentine curentul de intrare constant, cat mai  
 aproape de valoarea nominala de 230VAC,  
 eliminand fluctuatiile de pe retea care pot  
 deteriora electronicele.

**⚠ Puterea de pornire a dispozitivului conectat  
 nu trebuie sa depaseasca puterea nominala  
 declarata a stabilizatorului!**

Intrare      Iesire



Image showing the PNI SVM1000VA voltage stabilizer with an overlay of its key specifications in English, highlighting its servo motor control and safety features.

**PNI SVM1000VA**  
 AC.AUTOMATIC VOLTAGE REGULATOR

**OUTPUT VOLTAGE**  
 NORMAL    OVERVOLT    LACKVOLT

**OUTPUT**      **FUSE**      **POWER**  
 230V    230V    8 A    ON    OFF

Image showing the PNI SVM1000VA voltage stabilizer with an overlay of its key specifications in Romanian, including 800W/1KVA capacity and 230V output.



A detailed close-up of the PNI SVM1000VA front panel, showing the output voltage meter, normal/overvolt/lackvolt indicators, 230V output sockets, 8A fuse, and power switch.



An angled view of the PNI SVM1000VA voltage stabilizer, showcasing its compact design and the front panel controls.



An angled view of the PNI SVM1000VA voltage stabilizer, highlighting the integrated carrying handle for portability.



The rear panel of the PNI SVM1000VA, showing the 230V output socket, input power connector, grounding point, and a product label with serial number SVM11687 and manufacturer details.



The PNI SVM1000VA voltage stabilizer displayed alongside its included power cable, ready for connection.

The image shows a blue product box label for the PNI SVM1000VA. At the top center is the PNI logo. Below it are technical specifications in two columns:

Tensiune de intrare	: 170V-260V	Protectie subtensiune	: 183V $\pm$ 5V
Tensiune de iesire	: 230V $\pm$ 3%	Capacitate	: 800W/1000VA
Protectie supratensiune	: 250V $\pm$ 5V	Temperatura de lucru	: -5°C ~ +45°C
Curent maxim	: 3.5A		

At the bottom left is a barcode with the number "5 949066 524493". To the right of the barcode is the manufacturer information: "Producator: ONLINESHOP SRL, Olteniei 26A, Piatra Neamt, Neamt 610206, Romania, comenzi@pni.ro, Fabricat in China". To the right of the manufacturer information is a CE mark.

A close-up of the product box label, detailing technical specifications such as input/output voltage, capacity, maximum current, and operating temperature, along with the UPC 5949066524493.

## WARRANTY AND SUPPORT

Specific warranty details for the PNI SVM1000VA Voltage Stabilizer are not provided in this manual. Please refer to the product packaging, the retailer's website, or the official PNI website for comprehensive warranty information.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact PNI customer support or the authorized dealer from whom you purchased the product.