



## User Manual

### Automatic Voltage Regulator

**SBAVRAC2000**

#### 1. Introduction

This AVR series is designed to automatically maintain a constant voltage level to protect sensitive electronics from brownouts and overvoltages. Equipped with comprehensive information display, it's easy to monitor the power status.

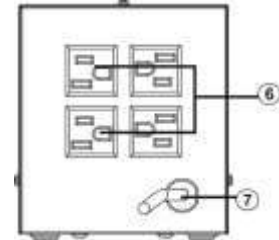
- Microprocessor control guarantees high reliability
- Time delay function eliminates transients that can affect connected equipment.
- Over-voltage, under-voltage, over-heat and over current protection
- Provides surge and spike suppression

#### 2. Product Overview

Side View



Back View



1. Power switch
2. Handle
3. Power LED (Green)
4. AVR LED (Yellow)
5. Fault indicator (Red)
6. Output sockets
7. AC input

### 3. Important Safety Caution (SAVE THESE INSTRUCTION)

To safely operate this AVR, please read and follow all instructions carefully. Read this manual thoroughly before attempting to unpack, install, or operate. You may keep this quick guide for further reference.

**CAUTION:** The unit is designed only for use under pure sine wave environment. Any other waveform will effect the voltage range and load capability.

**CAUTION:** Please DO NOT connect the unit to the environment with direct voltage (DC) or simulated sine wave.

**CAUTION:** To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area free of conductive contaminants. (See the specifications for the acceptable temperature and humidity range.)

### 4. Installation

#### Inspection

Remove the AVR from the shipping package and inspect the unit. Be sure that nothing inside the package is damaged.

#### Placement

Please install the AVR in a protected environment.

- Do NOT block the top or side air vents on the unit. Please reserve 20cm space to avoid interference.
- Do NOT operate the AVR where the temperature and humidity is outside the specific limits. (Please check the specs for the limitations.)



#### Connect To Utility

Plug the unit into a 3-wire grounded receptacle.

#### Connect Your Equipment

Plug equipment into the AVR rear-panel outlets. Then, switch the unit on by press the front panel power switch to “RESET” position.

**CAUTION:** The total power consumption of all equipment plugged into the AVR must not exceed its capacity (Refer to spec). It may cause the breaker to fault (blow).

### 5. Applications

**CAUTION:** The total power consumption of all equipment plugged into this AVR must not exceed its capacity. A total load in excess of its capacity will cause the breaker to fault (blow)

For the capacity of unit, please check the specifications.

This AVR is designed for use with voltage sensitive equipment such as: a home computer, monitor, inkjet printer, scanner or fax. It is also designed for use with home electronics equipment such as television, stereos, CD players, VCRs, and DVD players, data processing equipment, modems, typewriters, calculators, and telephone equipment. When startup delay time is set up as 3 minutes, it's perfect to use with devices such as refrigerators, freezers, air conditioners or dehumidifiers.

When using this AVR with an Uninterruptible Power Supply (UPS), connect the UPS to the output of this product, then connect this product to the wall outlet.

### 6. Specification

Model	SBAVRAC2000
Capacity	2000VA/1200W
Input	
Voltage	120 VAC
Voltage Range	80-150 VAC
Frequency Range	60 Hz
Output	
Output Voltage	120VAC
Voltage Regulation	-10% ~ +10%
Efficiency	
Normal Mode	93%
AVR Mode	91%
Physical	
Dimension (DxWxH)	196.8 x 110 x 123.5 mm
Net Weight (kgs)	4.31
Environment	
Temperature	0-40°C
Humidity	0-90% relative humidity (Non-condensing)