

SHIELDO Automatic Voltage Regulator

Quick Guide V.1.0

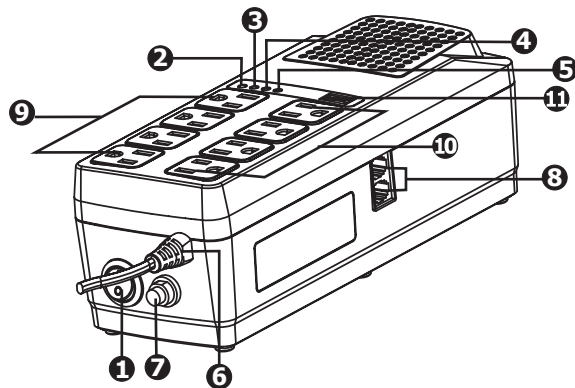
1 Introduction

Thank you for purchasing the product. This series is equipped with two different types of output receptacles: four for AVR protection and four for extended usage. AVR-protected socket will automatically maintain a constant voltage level to protect sensitive electronics from brownouts and overvoltages. With its fashionable cabinet, it can be installed on a desk or wall without causing an unsightly or unprofessional image, and will perfectly utilize a limited working environment.

Features:

- Provides four AVR-protected sockets and four extended sockets
- Provides stable output voltage through boost and buck stabilizer
- Accepts wide input voltage range
- Provides over-voltage and overload protection (option)
- Provides 5 V DC battery charging for consumer electronics (option)

2 Product Overview



- | | |
|---------------------------------------|---|
| ❶ Power switch | ❸ AVR LED: yellow lighting |
| ❷ Power LED: green lighting | ❹ Over-voltage LED (option): red lighting |
| ❺ Overload LED (option): red lighting | ❻ AC input |
| | ❼ Circuit breaker |
| | ❽ Modem/phone surge protection |
| | ❾ AVR-protected output receptacles |
| | ❿ Extended output receptacles |
| | ⓫ 5V DC USB charging port (option) |

3 Installation & Initial Startup

Inspection

Remove the unit from the shipping package and inspect it for damage that may occurred during transportation. Notify the carrier and place of purchase if any damage is found.



Placement & Storage Conditions

Install the unit in a protected area that is free of excessive dust and has adequate air flow. Please place the product away from other units at least 2.5cm to avoid interference. Do NOT block the top or side air vents on the unit.

Do not operation the unit in an environment where the ambient temperature or humidity is outside the limits listed in the spec. Operate the unit in an environment free of excessive dust, mechanical vibration, inflammable gases and explosive or corrosive atmospheres.



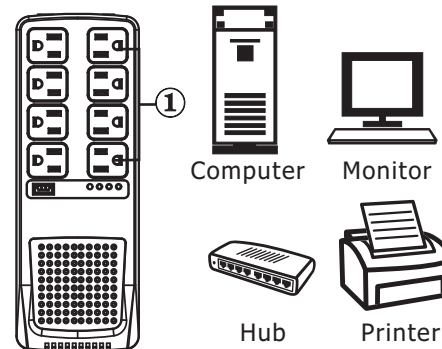
Connect to the Wall Outlet

Plug the input power cord of the unit to the wall outlet.

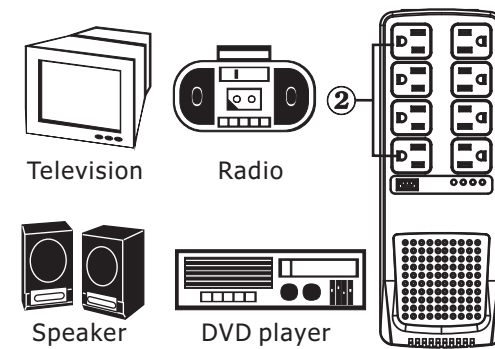
Connect the Loads

There are two types of output receptacles: AVR-protected receptacles and extended receptacles. The AVR-protected receptacles will provide stable power to connected devices by boosting and bucking the input power. Therefore, please connect sensitive loads to AVR-protected receptacles and non-sensitive loads to extended receptacles.

Plug sensitive loads into AVR-protected Receptacles



Plug non-sensitive loads into Extended Receptacles



Connect Modem/Phone for Surge Protection

Connect a single modem/phone line into surge-protected "IN" outlet on the unit. Connect from "OUT" outlet to the computer with phone line cable.

Turn On/Off the Unit

Turn on the unit by pressing the power switch to "ON" (I) position. Then all connected devices will be powered on.

4 Mounting Unit

The unit can be mounted to a wall surface. There are two ways to position the unit: vertically and horizontally.

1. Use a ruler to draw a straight line in 180 mm vertically or horizontally on the wall.
2. Use a sharp nail to puncture the center of the two ends to mark the wall. (see below chart 1 as placing the unit horizontally)
3. Mount the unit by positioning the key-hole slots over the mounting nails. (see chart 2 and chart 3)

Chart 1
180 mm distance between 2 holes

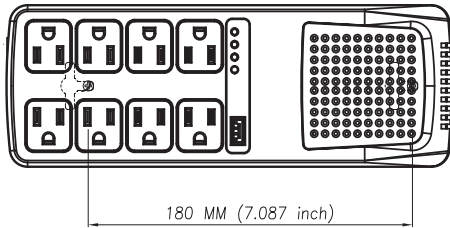


Chart 2
Mounting horizontally

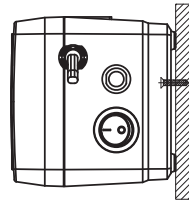
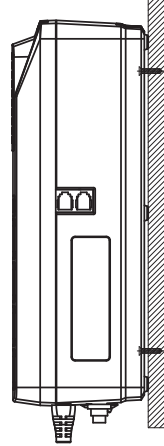


Chart 3
Mounting vertically



5 Applications

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

*For the capacity of unit, please check the **specifications**.

The voltage regulator 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.

Appliances not suitable for use with the product are items such as freezers, power tools, air conditioners, dehumidifiers, blenders, or any device that employs an AC motor for operation. Not for use with small fuel generators. Also excluded are life sustaining equipment.

When use the voltage regulator with an Interruptible Power Supply (UPS), connect the UPS to the output of this product, then connect the product to the wall outlet.

6 Important Safety Warning

To safely operate this voltage regulator, 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 the 60 Hz input frequency and pure sine wave environment. Any other input frequency or wave form will effect the voltage range and load capability.

CAUTION: Please DO NOT connect the unit to the environment with direct voltage 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.)

7 Specifications

Model	600	800	1000	1200	2000
CAPACITY	600 VA/ 300 W	800 VA/ 400 W	1000VA/ 500 W	1200 VA/ 600 W	2000 VA/ 1000 W
INPUT					
Voltage	120 VAC				
Voltage Range	95 - 150 VAC				
Frequency	60 Hz				
OUTPUT					
Voltage Regulation	± 10%				
Output Receptacles	8 (4 for AVR protection and 4 for extended use)				
INDICATORS					
Power LED	Green lighting				
AVR LED	Yellow lighting				
Over-voltage LED (option)	Red lighting				
Overload LED (option)	Red lighting				
PHYSICAL					
Dimension (DxWxH mm)	248 x 90 x 87.5				
Net Weight (kgs)	1.2	1.3	1.5	1.6	2
ENVIRONMENT					
Humidity	0-90 % RH @ 0-40°C (non-condensing)				
Nosie Level	Less than 40 dB				