



AVR Plus

AUTOMATIC VOLTAGE REGULATOR

AVR Plus Includes Transformer-Based Filter Technology for Maximum Filtration and Voltage Regulation

Electronic systems are designed to operate based on a clean and constant supply of AC voltage. The AVR (Automatic Voltage Regulator) Plus provides voltage boost and buck capability to eliminate power problems created by under voltage or over voltage fluctuations. It also protects against minor and severe spikes and surges that comprise over 80% of power problems.

Benefits of Power Protection:

- ▶ Increases uptime
- ▶ Reduces error codes
- ▶ Increases productivity
- ▶ Eliminate downtime due to:
 - Intermittent rebooting
 - Component overheating or degradation

If the Smart Power Systems equipment fails and this failure allows a surge to pass through and damage the connected equipment, Smart Power Systems will pay for the repair or replacement of the connected equipment up to \$25,000.



About the AVR Plus

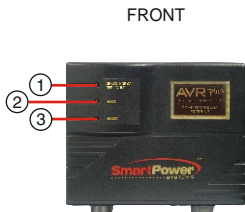
The AVR Plus is a combination of an automatic voltage regulator and a computer-grade filter that provides voltage boost and buck capability to eliminate power problems created by under voltage or over voltage fluctuations. It also protects against minor and severe spikes and surges that comprise over 80% of power problems. Our automatic voltage regulators are ideal for products that require consistent voltage levels like Automatic Teller Machines (ATMs), digital copiers, and mailing machines.

Features:

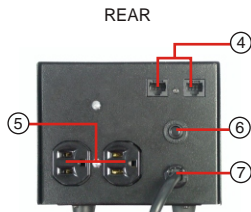
- ▶ Boost & Buck
- ▶ Common Mode noise filtering: < 0.5 Volts
- ▶ Normal Mode noise filtering: <10 Volts
- ▶ Over Voltage Protection
- ▶ Protects against minor and severe spikes and surges that comprise over 90% of power problems.

10 Amp models

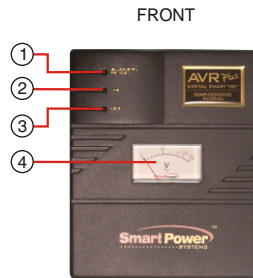
15 and 20 Amp models



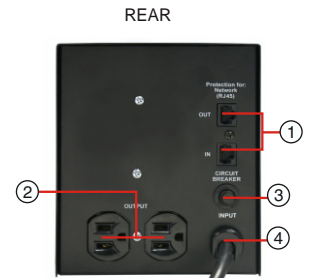
1. Green LED: Normal
Red LED: Fault
2. Buck
3. Boost



4. Network protection
5. Output Receptacle (available with 4)
6. Circuit Breaker
7. Input Cord



1. Green LED: Normal
Red LED: Fault
2. Buck
3. Boost



1. Network Protector (RJ45)
2. Output Receptacles
3. Circuit Breaker
4. Input Power Cord

Specifications

| MODEL | AVR10-120TBF | AVR15-120TBF | AVR20-120TBF | AVR20-208/230TBF | AVR15-220TBF | AVR20-220TBF |
|---|---|--------------|----------------------------------|----------------------------|--------------|--------------|
| Capacity (Amps) | 10 | 15 | 20 | 20 | 15 | 20 |
| Input Voltage Range / 50/60Hz | 120V±21% | 120V±21% | | 208±21% | 220±21% | |
| Output Voltage Regulation | 120 VAC±8.5% | 120 VAC±6% | | 230 VAC±6% | 220 VAC±6% | |
| TRANSIENT LET THROUGH VOLTAGE Common Mode (N-G) | <0.5V | | | <5% of input surge voltage | | |
| TRANSIENT LET THROUGH VOLTAGE Normal Mode (L-N) | <10V | | | <10V | | |
| Input Plug | 5-15P | | 5-20P | 6-20P | 6-15P | 6-20P |
| Receptacles | Two 5-15R | Two 5-15R | Two 5-15/20R | Two 6-20R | Two 6-15R | Two 6-20R |
| Dimensions Inches (mm) DxWxH | 7.9 x 5.4 x 4.5 (200 x 137 x 115) | | 13 x 5.5 x 6.6 (330 x 140 x 168) | | | |
| Net Weight (Lbs./Kgs.) | 10 / 4.5 | 14.7 / 6.7 | 16.5 / 7.5 | 18 / 8.2 | 17.5 / 8 | 19.7 / 8.9 |
| Shipping Weight (Lbs./Kgs.) | 10.75 / 4.9 | 16.2 / 7.4 | 18 / 8.2 | 19.5 / 8.9 | 19 / 8.7 | 21.2 / 9.6 |
| Operating Environment | 0-40°C at full load, 0-90% relative humidity (non condensing) | | | | | |
| WARRANTY | 5 Years | | | | | |

02/10 PN17000440

1-800-882-8285

