

*Protects Copiers, Mailing Systems,  
and Other Electronic Equipment*

# AVR *Plus*

AUTOMATIC VOLTAGE REGULATOR

***AVR20-230T Plus model not only  
converts power from 208V or  
240V to 230V but also regulates it***



## ***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.



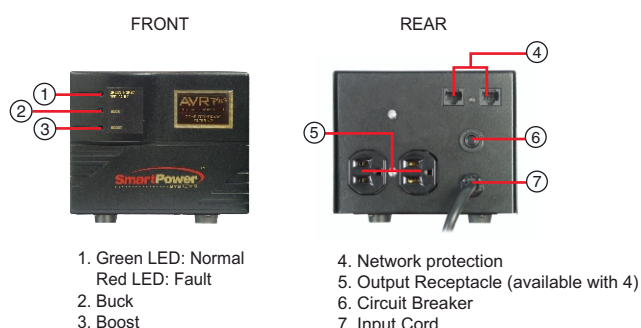
## About the AVR Plus

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 digital copiers, and mailing machines.

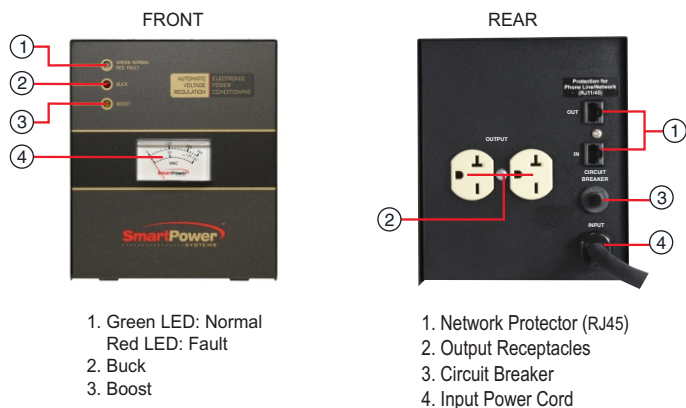
### Features:

- ▶ 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



### Specifications

MODEL	AVR10-120TBF	AVR15-120TBF	AVR20-120TBF	AVR15-240/208TBF	AVR20-230TBF Plus	AVR20-240TBF
Capacity (Amps)	10	15	20	15	20	
Input Voltage Range (VAC) / 50/60Hz	120±21%	99-145	99-128	200-257	198-252	240+18%-12%
Output Voltage Regulation (VAC)	120±8.5%	120±6.5%		208-3.4%+5.3%	230±3.9%	240±4%
Over Voltage Protection - Disconnects the output when exceeds: (VAC)	140-145			225-230	248-252	260-265
Spike Transient Let Through Voltage (Common Mode) (N-G)	<0.5V			<5% of input surge voltage		
Spike Transient Let Through Voltage (Normal Mode) (L-N)	<10V					
Input Plug	5-15P		5-20P	6-15P	6-20P	
Receptacles	Two 5-15R	Two 5-15R	Two 5-20R	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	18.5 / 8.5	18 / 8.2
Shipping Weight (Lbs./Kgs.)	10.75 / 4.9	16.2 / 7.4	18 / 8.2	19.5 / 8.9	20 / 9.1	19.5 / 8.9
Operating Environment	Temperature: 0-40°C - Humidity: 0-90% (non condensing)					
WARRANTY	2 Years					

Specifications subject to change without notice.

03/20 PN17000440

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**SmartPower**  
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