AVR 600-1200

- **Stabilzes** the AC Mains Voltage
- **Data Line Surge Protection**
- Compact and Lightweight

What is a Automatic Voltage Regulator?

These UPS has an integrated **automatic voltage regulation (AVR)** for a stabilized and safe output voltage supply. Provides clean, consistent AC power by automatically regulating low voltages (**Boost Mode**) and over voltages (**Buck Mode**), within defined tolerances, when incoming utility power has minor fluctuations.

The AVR is designed to **prevent damage to electrical equipment sensitive to voltage variations**, such as domestic electrical equipment (TV, monitors, game consoles, audio/video equipment, telephony, etc.), while prolonging the life of these.

The PowerWalker 600-1200 AVR is a voltage regulator which accepts a wide input voltage range (180-264VAC). It provides stable output voltage through boost and buck stabilizer. The built-in thermal sensor provides over-temperature protection and recover, while abnormal situations are eliminated..

General Features	Values		
Power Capacity	600VA/ 360W	1000VA/ 600W	1200VA/ 720W
Output Power Factor	0.60		
LINE Mode Full Load	93.8%		
Input Specifications	**Values**		
Input Voltage Range	180-264 VAC		
Input Type	CEE 7/7		
Output Specifications	**Values**		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 8%		
Outlets	Type F (3)		
Technical Details	**Values**		
Surge protection	430/250 Joule		
Protection	Short-Circuit, Over-Temperature, Overload		

AVR 1500-3000 SIV

- **Selectable Input Voltage Range** for home appliances and personal computers
- **Time Delay Function**: eliminates transients that can affect connected equipment
- **Microprocessor Control**: guarantees high reliability
- **Multiple operative Modes**: they active automatically depending on the Input Voltage

The PowerWalker AVR SIV series are automatic voltage regulators with selectable input voltage 150-270VAC or wide 110-280VAC. It provides output voltage within allowed limit of +/-10% (207-253VAC) through boost and buck stabilizers. The built-in thermal sensor provides over-temperature protection and recover, while abnormal situations are eliminated.

The device works in following Modes depending on input voltage:

- Input 252-270/280 VAC – **Buck Mode** -10% regarding input voltage
- Input 207-252 VAC – **Normal Operation**
- Input 173-211 VAC – **First Boost** +20%
- Input 110/150-178 VAC – **Second Boost** +40%
- Input <110 VAC in wide range or <150 VAC in normal mode – **AVR off**

Additionally, you can turn on protection delay function which will increase protection reaction time from 10s to 3 minutes for less sensitive devices..

General Features	Values		
Power Capacity	1500VA/ 1200W	2000VA/ 1600W	3000VA/ 2400W
Output Power Factor	0.80		
LINE Mode Full Load	95.0%		
Input Specifications	**Values**		
Input Voltage Range	110-280 VAC or 150-270 VAC		
Input Type	CEE 7/7		IEC C20
Output Specifications	**Values**		
Nominal Output Voltage	230 VAC		
Voltage Regulation	+/- 8%		
Outlets	Type F or Type E (**2**)		Type F or Type E (**1**) + IEC C19 (**1**)
Technical Details	**Values**		
Surge protection	312 Joule		312 Joule + 190 Joule
Protection	Over-Voltage, Under-Voltage, Over-Heat, Over-Current, Surge, Spike Suppression		