



Automatic Voltage Switch

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AVS 30A / 50A

The utility grid is a big and complex power network and has millions kinds of devices running on it. But the utility is not always stable and reliable, and there are many electric appliances suffered from surge and spike of the grid utility sometimes. It's considerable to protect your appliances when surge and spike occurred.

Many countries or regions are suffering from unstable grid. Voltage variation is the main reason causing the electrical appliances' failure. With a simple device, you can protect your appliances against the damage of unstable grid.

TBB AVS is an Automatic Voltage Switcher built-in with micro-processor. The AVS will switch off the equipment connected to it if the grid voltage goes beyond threshold limits and will re-connect automatically when the mains power returns to normal. Re-connection takes place after a time delay to ensure the stability of the mains. In addition, the start-up delay provides protection against power-back surges which are commonly experienced after the recovery of power. The surge and spike protection are also incorporated to ensure the protection against these commonly occurring events.

- Built-in micro-processor control
- Over-voltage and under-voltage protection with built-in time delay
- Switch-off voltage threshold and the delay time are all adjustable
- LCD displays protection voltage level
- Support manual switch on/off when needed

Model No.	AVS30	AVS50
Nominal Voltage (VAC)	230	
Power (W)	6900	11500
Frequency (Hz)	45 ~ 55 / 55 ~ 65	
Nominal Current (A)	30	50
Max consumption (W)	<10	
Wait time (s)	0 ~ 600 (Adjustable)	
High Voltage Disconnect (VAC)	230 ~ 300 (Adjustable)	
High Voltage Reconnect (VAC)	"High Voltage Disconnect" -10	
Low Voltage Disconnect (VAC)	150~230 (Adjustable)	
Low Voltage Reconnect (VAC)	"Low Voltage Disconnect" + 5	
Max voltage (VAC)	300	
Surge and spike protection	Joules	220J
	Amps	6500A (8 / 20us)
Protection index	IP41	
Operating temperature range	-20 ~ +45°C	
Net Weight (kg)	0.40	0.43
Dimension (mm)	190*130*55	
Standard	IEC-60669-1:2000	