

AUTOMATIC VOLTAGE SWITCH



Automatic Voltage Switch

AVS 30A; 50A

The utility grid is big and complex power network and have millions of kinds of devices running on. But the utility is not always stable and reliable, and there are many electric appliances suffered from surge and spike of 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 electrical appliance 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 outside 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 recovery of power. 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 time delay adjustable
- LCD display protection voltage level
- Manual switch on/off when needed



Model No.	AVS30		AVS50	
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Electrical

Control Method	Microprocessor			
Nominal Voltage (VAC)	110V	230V	110V	230V
Watts (W)	3300	6900	5500	11500
Frequency (Hz)	50/60			
Load Current (A)	30		50	
Inrush Current (2ms)	150A			
Max consumption (W)	< 3%	< 3.5%	< 3%	< 3.5%
Wait Time	10secs~10mins plus manual			
Over-Voltage Disconnect (VAC)	230~280 plus off			
Over-Voltage Reconnect (VAC)	5V below HVD setting			
Under-Voltage Disconnect (VAC)	150~230			
Under-Voltage Reconnect (VAC)	5V above LVD setting			
Max supply (VAC)	160	300	160	300
Response time (over voltage) (ms)	< 20			
Response time (under voltage) adjustable (s)	1~10			
Display	LCD+LED (High cut, High wait, ON, Low wait, Low cut indicator)			
Approx packed weight (kg)	0.5			
Dimensions packed (mm)	160 x 120 x 52.5			
Button	x2			
Setting	Start up time: 10s~10mins and manual; Under voltage time adjustable: 0~10s; High cut voltage adjustable: 230~280Vac; Low cut voltage: 150~230Vac			
Surge protection	Class III surge / spike			
Protection category	IP41			