



100 AMPS OVER 24000 WATTS

INCORPORATES SURGE/SPIKE PROTECTION

THE SOLLATEK AUTOMATIC VOLTAGE SWITCHERS (AVS)

When connected to electrical appliances, the Sollatek AVS (Automatic Voltage Switcher) provides complete protection by constantly monitoring and isolating bad mains voltage.

When the electricity supply fails or there are voltage fluctuations outside preset acceptable limits (the window), the AVS disconnects the appliance from the damaging mains; monitoring continues and when the supply resumes and stabilises for an acceptable length of time (wait time), the appliance is then re-connected.

The wait time is normally set to three minutes which allows compressor based equipment to de-compress and for their gasses to neutralize. The AVS incorporates Light Emitting Diodes (LEDs) to indicate at a glance the state of the system at any time:

- Green:** normal on mains connected
- Amber:** wait off delay ensuring mains has stabilised
- Red:** bad off mains outside window

The AVS reacts within one cycle when detecting high voltage. On low voltage the AVS isolates the appliance within 1/2 second unless the voltage dips by around 35% at which time the AVS again reacts within one cycle. The method of operation ensures that while the AVS will not trip on equipment start-up it nevertheless protects in case of severe voltage sags.

The AVS is available in a variety of sizes and voltages catering for all world markets, including three phase units for protection of buildings, plant and machinery.

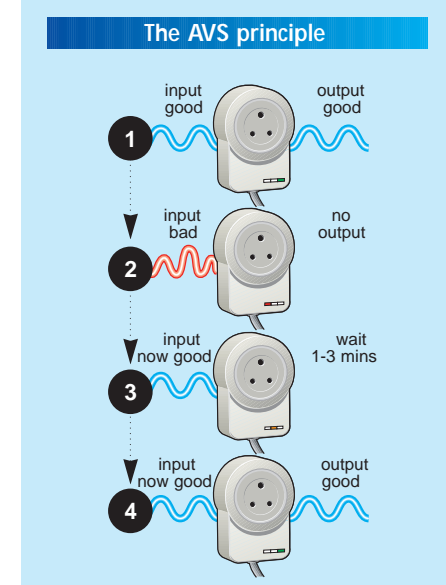
- ◆ Protects and prolongs the useful life of electrical appliances
- ◆ Eliminates the need to switch off appliances every time the electricity fails
- ◆ Safeguards valuable electrical appliances at all times
- ◆ Very low cost protection in relation to the value of appliances
- ◆ Available in 30Amps (7000 watts) or 100Amps (24000 watts)
- ◆ Wall mounted - provides security from theft in hotels and all public areas



The Sollatek AVS30 front panel removed showing access to connections



The Sollatek AVS30 in its attractive packaging



SPECIFICATIONS	AVS30	AVS100
Nominal Voltage	230V	
Frequency	50/60 Hz	
Load Current	30 Amps	100 Amps
Inrush Current	70 Amps	220 Amps
Maximum Overload (1 second)	36 Amps	120 Amps
Max consumption	5 mA	15 mA
Wait Time:	2.5 - 3.5 minutes random	
Over-Voltage Disconnect	264V	
Over-Voltage Reconnect	260V	
Under-Voltage Disconnect	185V	
Under-Voltage Reconnect	190V	
Max supply	320V	
Spike protection	160 Joules, 6500 Amps (8/20µs), response time <10 ns	
Response time (over voltage)	20 millisecc	30 millisecc
Response time (under voltage)	470 millisecc	
Brown-out response time	20 millisecc	30 millisecc
Connection	direct - via brass screw terminals	
Guarantee	2 years	
Packed weight	500 grams	600 grams
Packed dimensions	205x135x54 mm	

Other models available



The Sollatek AVS15



The Sollatek AVS13



The Sollatek AVS115



The Sollatek AVS22

Sollatek
The Power to Protect

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