

SOLLATEK VOLTAGE STABILISER (SVS)

SVS45-22

Single phase model for the Telecommunications and IT applications

FULLY ELECTRONIC Stabiliser with very wide input range ($\pm 20\%$) and very narrow output range ($\pm 3\%$).

THE SOLLATEK VOLTAGE STABILISER (SOLLATEK SVS) has been designed to provide a clean, regulated AC power supply to all equipment in environments with unreliable, fluctuating mains electricity supplies.

OPERATION

The Sollatek SVS monitors the mains voltage continuously. If the voltage rises or drops, the SVS will stabilise the output to ensure the voltage reaching your equipment remains constant at 230V, within the operating range of the unit.

APPLICATIONS

The SVS is suitable for all electrical and electronic appliances. It is particularly useful for the following: Fridges, Air conditioners, Freezers, Coolers, TV/HiFi, IT Equipment including computers, Medical Refrigeration, and Telecom Equipment.

FEATURES

- Microprocessor controlled stabiliser
- Very wide input voltage range
- Excellent output voltage stability
- Includes surge and spike suppression
- Extremely fast response
- British design
- 3 year worldwide warranty



THE SOLLATEK SVS HAS THE FOLLOWING ADVANCED FEATURES :

- The Sollatek SVS reduces high voltage.
- Has a very wide voltage response range of 150V to 300V.
- Uses a unique zero voltage switching technique to achieve clean pure stabilised power.
- Digital display of input voltage, output voltage
- Incorporates full spike protection.
- Frequency compensated measurements.
- Frequency and voltage measurement smoothing in software to filter noise.

PARAMETER	SPECIFICATIONS 230V
AMPS	45
KVA @ 230V	10.4
REGULATION RANGE	
Input	230V ± 20% (184-276V)
Output	230V ± 3%
Frequency	45-75Hz
SPIKE PROTECTION	800J, 6500 Amps (8/20µs). Response time <10 ns
OUTPUT CURRENT	45A RMS @ 45°C
DISPLAY	Digital display of input voltage and output voltage
TECHNOLOGY	
Zero Voltage Switching	Transformer tap switching takes place at zero point in voltage waveform
Response time	Within 0.1 second
PERFORMANCE	
Thermal endurance	Continuously rated at full load at full boost (full boost represents worst case)
Over-voltage endurance	Runs continuously without damage at 300V input
EFFICIENCY	>96%
GROSS WEIGHT	35 KG
QUANTITY PER 20' CONTAINER	132
QUANTITY PER 40' CONTAINER	264
DIMENSIONS	345 x 330 x 260

Applications



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Sollatek worldwide companies and agents

