

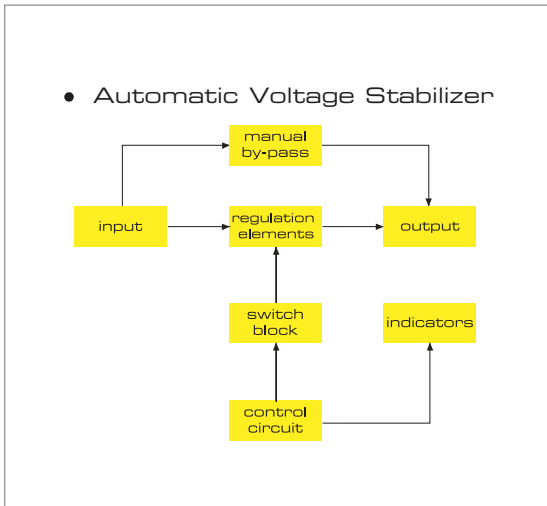
Automatic Voltage Stabilizer (AVS/SVR)

Three phase



AVS/SVR series 20/120 KVA

Operating principle



The Automatic Voltage Stabilizer is designed to protect the electrical equipments from voltage fluctuations in the main.

The Automatic Voltage Stabilizer Works by means of serial transformers resulting in a brown-out and micro black-out free operation. The direct triggering is made by power relay and contactors.

Main Features

- Short circuit and overload protections are ensured by three phase circuit breaker
- Microprocessor control
- Cooling with fans
- The phase protection senses the high or low voltage conditions and cuts and indicates a fault condition on the concerned phase
- Wide input range
- Swift response for voltage fluctuations
- Suitable for non-linear loads
- High efficiency

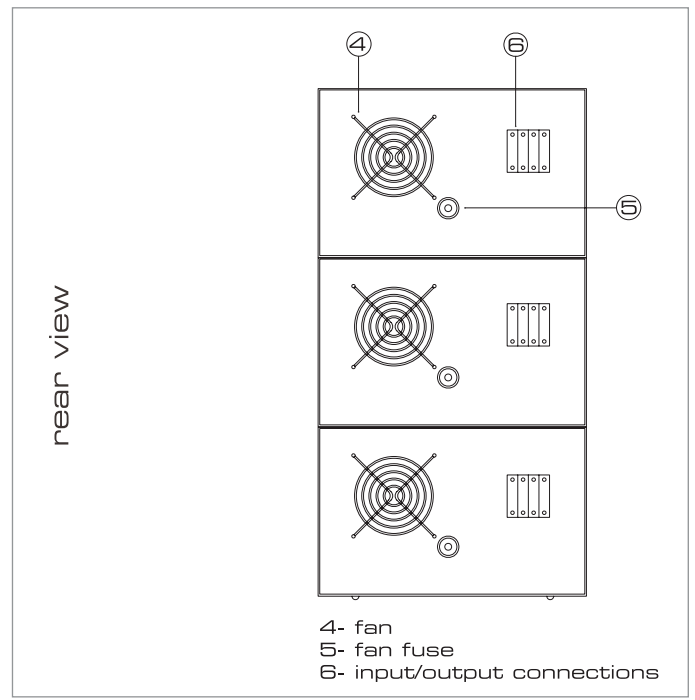
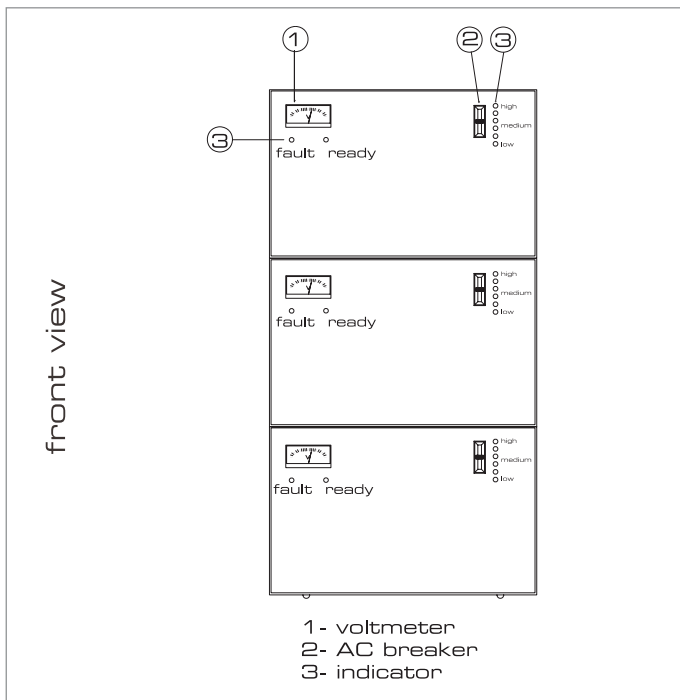
Applications

- Telecommunication equipment
- Industrial processes
- House appliances

Optional

- Digital meters instead of analogue meters
- Phase protection relay: cuts off all three phases in case of phase unbalance, phase rotation inversion and high/low voltage conditions
- Manual by-pass
- Other output tolerance
- Input and output voltmeter





Characteristics

AVS/SVR		20	26	33	40	53	66	80	100	120
model	Power (KVA)	20	26	33	40	53	66	80	100	120
	Voltage (V)	277-415 (L-L) / 160-240 (L-N)								
input	Frequency (Hz)	50/60								
	Frequency tolerance (Hz)	±10%								
	Maximum current per phase (A)	30	40	50	63	80	100	120	150	180
output	Power (kVA) at lowest input voltage	14.4	19.2	24	30	38.4	48	57.6	72	86.4
	Voltage (V)	380/400 (L-L) / 220/230 (L-N)								
	Voltage tolerance (%)	±4								
	Frequency (Hz)	50/60								
	Power factor	>0.9								
	Crest factor	Up to 3								
general	Total harmonic distortion (%)	<0.5% for linear loads minimally transmitted to load								
	Transfer time (ms)	0								
	Efficiency (%)	>90								
	Recovery	microprocessor controlled								
	Cooling	Fan								
	Protection degree	IP20								
	Overload	150% for 2 minutes								
	Design ambient temperature (°C)	0...40								
	Relative humidity (%)	20...90								
	Noise level at 1 meter (dB)	≤45								
	Architect	Built in three separate boxes (one box for every phase)								
	Weight (Kg)	210	225	240	255	270	276	435	510	540
WxDxH per phase (mm)	450x660x310						550x1100x360			

