

SINGLE-PHASE ELECTRONIC VOLTAGE STABILIZER

SEM 01-03



Voltage stabilization system with electronically controlled minirelay technology

Single-phase version for power from 1 to 3.5kVA

It protects utilities against voltage fluctuations, extending their useful life and ensuring correct operation in all conditions.

CTECHNICAL FEATURES

- Operating voltage: single phase 230Vac
- Powers: from 1 to 3.5 kVA (higher powers available on request)
- Input: 135 Vac / 260 Vac (100 Vac / 240 Vac optional)
- Output: 230 VAC $\pm$ 5%
- Efficiency: 96%
- Regulation speed: 500V/S
- Working temperatures: -10 ° C / +50 ° C
- Protections: switch and fuse or circuit breaker depending on the power, high/low voltage
- Smart cooling fan



Model	E.SEM01	E.SEM02	E.SEM03
POWER (VA)	1.000	2.000	3.500
Power factor	0,8		
INPUT			
Input voltage	135-260 V		
Input frequency	47 .. 65 Hz		
Protection	Fuse	Magnetothermic	
Current (A)	4	10	16
OUTPUT			
Output voltage	230Vac RMS ±5%		
Overload capacity	10'' at 150% of the nominal load		
Adjustment speed	500 Volt/sec		
Output frequency	47 .. 65 Hz		
Output protection	Short circuit, overload, high voltage (245V)		
TECHNOLOGY			
Type	Electronically controlled minirelay		
GENERAL			
Cooling	Smart fan system (internal temperature 60°C – off at 55°C)		
Thermal protection	Internal temperature 100°C (automatic reinstatement a 95°C)		
Output/input voltage display	Digital voltmeter		
Harmonic distortion	-		
Efficiency	> 96%		
Manual by-pass	(optional) Manual rotary switch control		
Degree of protection	IP20		
ENVIRONMENT			
Operating temperatures	-10°C / +50°C		
Storage temperatures	-25°C / +60°C		
Relative humidity	<90% DIN (40040)		
Maximum altitude	1000m		
Noise level	<50 dB at 1m		
Dimension (WxDxH) cm	17x9x30	30x21x37	
Weight (kg)	4	12	14



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UNIT



Diloc



Elsist



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