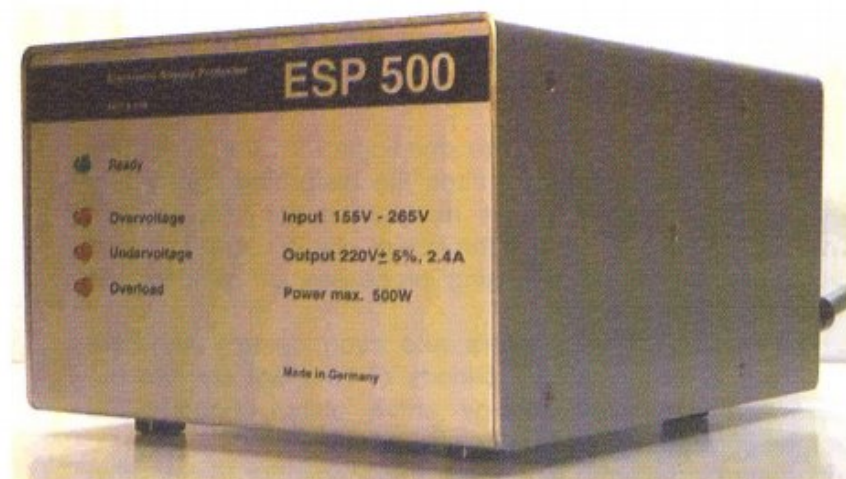


Features & Superiority of our Powerline Stabilizers / Line Conditioners

- 1) 100 % solid – state.
- 2) **Utilize** no mechanical moving parts.
- 3) Maintenance free operation.
- 4) Extreme fast response to any voltage deviation.
- 5) Do not emit any distorting signal during regulation process. The Harmonic Distortion (THD) is less than 1 %
- 6) Able to suppress Transients and filter RF-signals effectively.
- 7) Operate reliably even in harsh (hot,dusty&humid) environments.
- 8) Economic and efficient (Efficiency 97 %).
- 9) Wide input voltage-range at constant output tolerance.
- 10) Silent operation (without annoying noise,common to constant voltage transformers).
- 11) Small in size and light compared to ferro-resonant transformer regulators.
- 12) Excellent technical specifications.

ELECTRONIC SUPPLY PROTECTOR (ESP)

Mains Voltage Stabilizers



Front View



Rear View

- High performance ratings
- Reliability
- Safety
- Economy
- Compactness

SPECIFICATION:

Power rating (standard per phase):	0.3 / 0.5 / 1.0 / 2.0 3.0 / 5.0 / 10.0 kVA
Input voltage:	155 ... 265 V
Output voltage:	220 V ± 5%
Mean response time:	15 ms
Frequency:	50 Hz ± 7%
Power factor:	cos φ > 0.26
Full-load efficiency:	97%
Total harmonic distortion:	less than 1%
Ambient temperature:	0 ... 45 °C
Noise attenuation:	> 30 dB above 500 kHz common and normal mode
Suppression of transients:	5 kW / 100 μs
Humidity:	max. 90% (without condensation)
Audible noise during operation:	less than 40 dB (A) / 1 m
Overload capability:	200% for 10 seconds 300% for 1 second.

PROTECTIVE FUNCTIONS:

- Switch-off upon overvoltage (over 265 V)
- Switch-off upon undervoltage (below 150 V)
- Switch-off under excess-temperature
- Switch-off at overload, with load and time evaluation
- Short circuit switch-off
- Automatic reset after:
 - 25 seconds in case of overload
 - 1 second in case of overvoltage or undervoltage
 - 2 minutes in case of several successive off/on-switching)
- Automatic cut off if supply voltage exceeds 275 V (melting fuse).

**OTHER SPECIFICATIONS AND
DEVICES ACCORDING TO
CUSTOMERS ORDER**

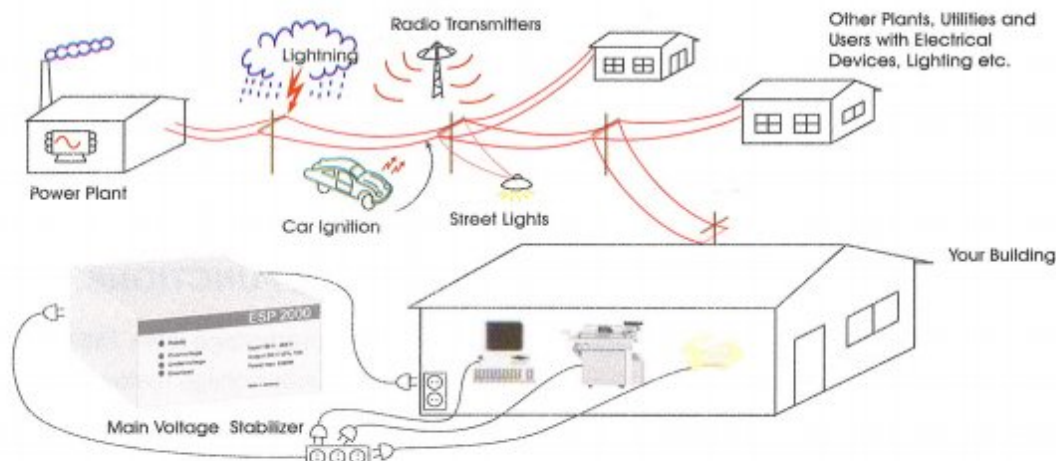
ELECTRONIC SUPPLY PROTECTOR

„ELECTRONIC SUPPLY PROTECTOR“ -- THE RELIABLE LONG TERM SOLUTION TO GUARANTEE THE UNINTERRUPTED OPERATION OF YOUR ELECTRONICALLY EQUIPMENT

Electronic equipments particularly when employed in the medicine, in the industrial applications, by the EDP like also in the living quarter requires the disturbing liberty and constancy of the power supplies. All public power supply networks are subject to the influence of interference sources whose cause lies outside the power plants usually. These are for example transient overvoltages caused by switching processes or atmospheric perturbations, high frequency noise and voltage sags.

These disturbances can cause malfunctions or data errors and even destroy sensitive system components. Overvoltage which lasts for lengthy periods of time will shorten the service life of electronic devices, and can even destroy entire units. Longerlasting undervoltage may impair or prevent the correct functioning of such equipment.

In order to prevent costly networkrelated problems, it is often indispensable to interface protective systems between the main power supply and sensitive installed equipment.



THIS PICTURE IS WORTH A THOUSAND WORDS. IT SHOWS YOU ALL YOUR POWER PROBLEMS!

Such system must at the very least satisfy the following requirements.

- Stabilization of the output voltage throughout as large an input voltage range as possible
- Implementation of a fast response control system
- Effective and reliable protection from transients, high frequency noise and other disturbances which may be of very short duration.

The ESP Electronic Supply Protector presents here effectively satisfies all the requirements summarized above. In addition, it offers all important features necessary for uninterrupted and undisturbed operation over lengthy periods of time.

Its features include the following, a broad range of applications, high degree of reliability and a good Economy.

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