

ILSTAT

VOLTAGE STABILIZERS

elpra sa
power electronics



ILSTAT series are advanced technology, high efficiency, fully electronic AC voltage stabilizers.

They are designed to provide all the necessary functions and utilities, which offer a fully automated user friendly and care free operation.

ELPRA SA

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The **ILSTAT** ac Voltage Stabilizers are electronic devices that maintain the ac voltage at their output within $\pm 4\%$ of their nominal value, for a voltage variation of $\pm 30\%$ at the input.

- Tap switching with electronic power devices
- Zero voltage cross switching
- No harmonic distortion introduced
- Power factor not affected by the stabilizer
- Correction of the output voltage every 10 msec for the 50 Hz power grid
- Moving average of the mean input voltage for the previous 100 msec
- Include low pass filters to damp all single mode transients
- Include fast acting voltage, current and load monitors
- Extremely low EMI - full EMC and CE compliance
- Any power up to 150 KW - Single or Three phase systems

TECHNICAL FEATURES

INPUT VOLTAGE	154 - 286 Volt - 1 Phase Systems 266 – 494 Volt - 3 Phase Systems
INPUT FREQUENCY	40 - 60 Hertz
OUTPUT VOLTAGE	220 Volt $\pm 4\%$ 1 Phase Systems 380 Volt $\pm 4\%$ 3 Phase Systems
OUTPUT FREQUENCY	Same as input
INPUT - OUTPUT PROTECTION	Line Fuse
EFFICIENCY	97% at full load
OVERLOAD	200 % for 10 sec 120 % FOR TWO HOURS
CORRECTION SPEED	10 Volt / msec
DIGITAL DISPLAY	Switch selectable in - out Voltage

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