

# 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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