

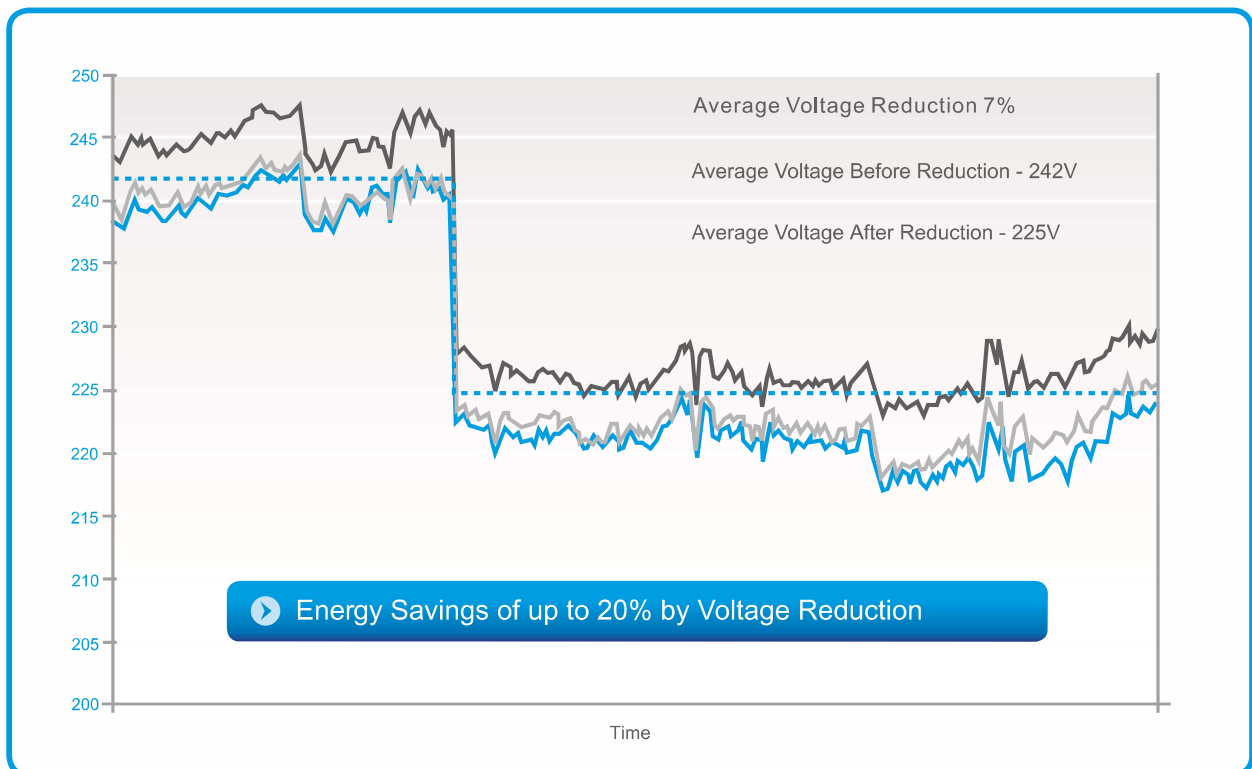
Energy Saving Transformer(EST)

■ AC Power Conditioner

Overview

Many types of electrical equipment work perfectly well on a voltage lower than the standard mains supply. This is particularly true for equipment designed to operate on 380V or 400V three phase supplies where the supply is 415V. The actual power supply is higher than necessary the equipment will consume more power than needed and in many cases, equipment life is reduced, effectively increasing the cost of ownership.

Energy Saving Transformer (EST) helps organizations make some of the biggest financial savings possible on their energy bills by reducing the mains voltage used to power electrical equipment. It is a tapped auto-transformer which reduces voltage by up to 12% by a fixed amount, making it ideal for sites with a reasonably stable voltage supply. At full load the EST Voltage Optimization delivers efficiency of more than 99% which can realize energy savings of up to 20%.



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Features and Benefits

- Energy saving of up to 20%
- Fast return of investment (ROI) time
- Prolonged equipment life span
- High operational efficiency
- Adjustable configurations based on site requirements
- Display of input and output voltage and output current
- Internal Protection against overheating
- Optional GPRS & Wireless Energy Monitor for realtime energy monitoring
- Single and three phase up to 1000KVA

Specifications

Input Voltage	Maximum 440V three phase
Output Voltage	Maximum nominal reduction of 12%
Output Adjustment	3 fixed taps of 6%, 8% & 10% (other upon request)
Supply Frequency	50/60 Hz
Waveform Distortion	None
Insulation Class	H class
Duty Type	Continuous
Cooling Type	Natural Air(AN)/Forced Air(AF)
Efficiency	>99% at full load
Electrical Safety	CE equivalent
Operation Temperature	-20 °C to +45 °C
Relative Humidity	<90% non-condensing
Enclosure	IP20(indoor), outdoor on request
GPRS	Remote control and monitoring the VO unit parameters

Models & Dimensions

Model	Dimension (W×D×H)mm	Model	Dimension (W×D×H)mm
EST-20KVA	300 × 700 × 600	EST-225KVA	400 × 800 × 800
EST-30KVA	300 × 700 × 600	EST-250KVA	500 × 1000 × 900
EST-50KVA	300 × 700 × 600	EST-300KVA	500 × 1000 × 900
EST-75KVA	300 × 700 × 600	EST-350KVA	500 × 1000 × 900
EST-100KVA	300 × 700 × 600	EST-400KVA	500 × 1000 × 900
EST-125KVA	400 × 800 × 800	EST-500KVA	500 × 1000 × 900
EST-150KVA	400 × 800 × 800	EST-600KVA	500 × 1000 × 900
EST-175KVA	400 × 800 × 800	EST-800KVA	600 × 1200 × 1000
EST-200KVA	400 × 800 × 800	EST-1000KVA	600 × 1200 × 1000

We reserve the right to change specifications without notice due to continual improvements.