

RELCO VOLTAGE STABILIZER



TECHNICAL SPECIFICATIONS

Input

Single Phase	: 240V +/- 12% *
Three Phase	: 415V +/- 12% *
Frequency	: 50Hz / 60Hz +/- 5%
Power Factor	: 0.98

Output

Single Phase	: 240V +/- 2%
Three Phase	: 415V +/- 2%
Frequency	: 50Hz / 60Hz +/- 5%
Harmonic Distortion	: Nil
Efficiency	: Better Than 98%
Correction Time	: 1/10 to 2 seconds
Load Power Factor	: 0.5 lagging / leading

Environmental

Operating Temperature	: 0 to 45°C
Relative Humidity	: 0 to 90 % non-condensing

Audible Noise at 1 METER : <35dB

* Subject to individual proposal

STANDARD FEATURES

- ▶ Power On Indicator
- ▶ Output Voltmeter (3KVA and above)
- ▶ Output Ammeter (10KVA and above)
- ▶ Input Breaker (90KVA and below)

DESIGN FEATURES

No Sliding Electrical Contacts

In motor-driven-variatic technology, sliding contacts are the major contributor to the inherent wear and tear problem associated with the design. MCT stabilizer employs digital switching technology, eliminating the use of sliding contact, thereby achieving long term reliability.

High Efficiency

Motor-driven-variatic technology uses two sets of power transformers: a variac and a boost-buck transformer, which contribute to almost all of the energy loss in the stabilizer. The multiple transformers used in MCT stabilizer have a loss of energy equal to that of the buck-buck transformer minus that of the variac. As a result, the power efficiency is almost improved by two fold.

Fast Correction Time

Depending on the application requirement, MCT stabilizer can be configured to attain its rated output voltage level in not more than 0.1 of a second responding to a full range of supply voltage variation.

Automatic Bypass Device

In the unlikely event of component failure that may result in the loss of output voltage regulation, MCT stabilizer is incorporated with automatic bypass device to switch the load directly to the supply, bypassing the stabilizer circuit, without interrupting the output power.

Relco

Committed to Product Innovation for High Performance