SureVolt Automatic Voltage Regulator

SureVolt™ automatic voltage regulator provides continuous power conditioning and the broadest range of protection available. It guards against voltage fluctuations that can wreak havoc on your electrical load equipment, costing you money in damages and lost productivity.

Safely bridge all voltage anomalies and ensure maximum uptime and motor life for valuable production equipment. SureVolt provides tightly controlled voltage through both transient and longer-term low or high voltage events, while balancing three-phase power. Achieve consistent voltage regulation and fast correction without regular maintenance or moving parts.

SureVolt features:

- Fast voltage regulation corrects under/over voltage, sags, and swells
- Compatible with all load types and power factor
- High fault-clearing capacity permits reliable operation of other protective devices
- Built-in surge suppression for surges and spikes
- Line isolation minimizes transients
- Independent phase regulation corrects voltage imbalance
- Input circuit breaker protects against damaging over-current and short circuits
- Automatic failsafe electronic bypass keeps the load powered
- 100% natural convection cooling, requires no fans or other moving parts
- Sizes 5 to 2500 kVA, any voltage up to 600 Vac
- Single phase, three phase, compatible with all load types
- Non-full-power semiconductor design for 1000% fault-clearing capability
- All digital controls and operation for performance, accuracy, and customization
- Transformer shielding reduces line noise to deliver clean power

Protect your equipment from sags, dips, swells, line noise, brownouts, and surges.
Current Interruption Elimination

Unique design eliminates the load current interruption seen in some power conditioners during switching. These interruptions to the current flow can create voltage spikes when switching, affecting sensitive loads and causing premature component failure.

Fast Correction

The SureVolt automatic voltage regulator provides fast voltage correction to keep sensitive equipment up and running. Programmable logic controllers (PLCs), variable frequency drives (VFDs) and instrumentation all benefit from its short response time (typically 1 cycle).

Simple Operation

Microprocessor-controlled tap-switching technology with an isolated, shielded transformer and a unique control design makes SureVolt the industry’s leading automatic voltage regulator. It conditions power with no operator or programming required. The standard LCD display provides information on the status and current operation of the unit while alarm contacts permit remote monitoring.

Easy Installation and Maintenance

Installation is as simple as setting it in place and installing the wiring in and out. The unit arrives completely assembled and requires no programming, testing, measuring, setting of switches or internal wiring. Maintenance is just as easy. With no moving parts, wear parts or fans, SureVolt automatic voltage regulators require no regularly scheduled maintenance other than annual inspection and cleaning.

Learn how to protect your electrical load equipment, email powersolutions@schneider-electric.com

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