CUSTOM-MANUFACTURED FOR U.S. INDUSTRIAL POWER

Precision voltage stabilization.

Servo Controlled Voltage Stabilizer

A U.S.-market configuration for 480 V three-phase industrial systems. Accepts 360-600 V AC input and delivers a stable 480 V AC regulated output.



250 kVA	360-600 V	480 V	±1%
RATED CAPACITY	INPUT RANGE	U.S. INDUSTRIAL OUTPUT	VOLTAGE REGULATION

U.S. MARKET / PRODUCT ENGINEERING

Engineered for U.S. 480 V systems

Custom-manufactured for U.S. industrial applications requiring 480 V three-phase output and 60 Hz operation*. The unit provides automatic regulation across its specified 360-600 V AC input range, with manual operation and integral bypass.

360-600 V AC	250 kVA	480 V AC
THREE-PHASE INPUT	SERVO REGULATION	U.S. THREE-PHASE OUTPUT

ELECTRICAL & PERFORMANCE DATA

PARAMETER	SPECIFICATION
Market configuration	U.S. 480 V industrial applications
Rated capacity	250 kVA
Phase	Three phase
Input voltage range	360-600 V AC
Regulated output voltage	480 V AC
Output voltage regulation	±1%
Operating frequency	60 Hz*
Duty cycle	100% continuous
Control system	Servo controlled
Operating modes	Automatic / Manual
Cooling method	Oil cooled - ONAN*
Bypass facility	Built-in bypass switch
Efficiency	≥98%*
Rate of correction	Up to 70 V/sec*
Response time	10 ms*
Output waveform	True replication of input
Waveform distortion	Nil
Insulation class	F-Class*
Enclosure	Heavy-duty sheet metal
Ambient temperature	0-45°C @ 90% RH*
Monitoring	Digital electrical parameters

* Marked figures are reproduced from the supplied product specifications and require confirmation in the final approved technical datasheet.

CONTROL AND OPERATIONAL CONTINUITY

Control. Monitor. Protect.

Designed with servo-controlled correction and an integrated bypass path. Protection and monitoring functions can be configured to suit the application.

OPERATION & MONITORING

- Automatic / manual operation
- Digital/LCD electrical monitoring
- Input and output voltage indication
- Fault, trip and output-on indication
- Audio-visual fault alarm

AVAILABLE PROTECTION

- High- / low-voltage conditions
- Overload & short-circuit
- Phase failure and phase reversal
- Adjustable electronic protection
- Fault/trip indication and alarm

BUILT-IN BYPASS FACILITY

A manual bypass switch allows the load to be supplied through a bypass path when stabilizer regulation is not required or maintenance is planned.



INPUT / OUTPUT CONNECTION ARRANGEMENT

MECHANICAL ENVELOPE / APPROXIMATE

1750 mm	1070 mm	1325 mm	1625 kg
LENGTH	DEPTH	HEIGHT	NET WEIGHT

Gross / shipping weight: approximately 1775 kg, including approximately 150 kg packing.

U.S.-MARKET CONFIGURATION / ACTUAL PRODUCT VIEWS

Built for U.S. industrial power.



FRONT ELEVATION



SIDE PROFILE



RADIATOR / REAR VIEW

APPLICATION SECTORS

- Industrial manufacturing plants
- CNC and precision machine tools
- Automation & control systems
- Automotive manufacturing
- Pharmaceutical & chemical plants
- Testing and research facilities
- Process and commercial industries
- 480 V three-phase electrical systems

WHY VOLT CONTROL SYSTEM

Established in 2006, supported by more than four decades of electrical manufacturing expertise, with in-house engineering and manufacturing in Pune, India.

Manufactured for this U.S. 480 V three-phase requirement, with experience in customized voltage-control equipment for international industrial applications.

Specifications and dimensions are subject to approved configuration. U.S.-market application does not imply UL, NRTL or other third-party certification.

LET'S ENGINEER YOUR POWER REQUIREMENT.

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