



SERVO CONTROLLED VOLTAGE STABILIZER



POWER UNDER CONTROL



SERVO CONTROLLED VOLTAGE STABILIZER

crest SERVO VOLTAGE STABILIZER IS DESIGNED TO GIVE SUBSTANTIALLY CONSTANT VOLTAGE WITH $\pm 1\%$ REGULATION WITHOUT CAUSING HARMONIC DISTORTION. IT ESSENTIALLY EMPLOYS A SOLID STATE CIRCUIT WHICH CONTROLS THE SERVO MOTOR. THE MOTOR IS COUPLED TO THE ARM OF A CONTINUOUSLY VARIABLE TRANSFORMER WHICH FEEDS TO THE PRIMARY OF A SERIES CONTROL BUCK - BOOST TRANSFORMER.

SPECIFICATIONS

PARAMETERS	SINGLE PHASE	THREE PHASE (UNBALANCED TYPE)
INPUT VOLTAGE	160-260 VAC	300-450 VAC
OUTPUT VOLTAGE	220/230 $\pm 1\%$ VAC	400 $\pm 1\%$ VAC
FREQUENCY	47-53 Hz	47-53 Hz
CORRECTION SPEED	<20V/SEC.	<20V/SEC.
REGULATION	$\pm 1\%$ FROM NO LOAD TO FULL LOAD	$\pm 1\%$ FROM NO LOAD TO FULL LOAD
WAVE FORM DISTORTION	NONE	NONE
AMBIENT TEMPERATURE	0-55°C	0-55°C
	(CAPACITIES AVAILABLE FROM 1 TO 500 KVA)	

FEATURES

- ◆ $\pm 1\%$ REGULATION.
- ◆ SOLID STATE CIRCUITRY.
- ◆ NO WAVE FORM DISTORTION.
- ◆ AUTO/MANUAL OPERATION FACILITY.
- ◆ HIGH EFFICIENCY.

OPTIONAL FEATURES

- ◆ UNDER VOLTAGE / OVER VOLTAGE PROTECTION.
- ◆ OVER LOAD PROTECTION.
- ◆ EXTENDED RANGE ON REQUEST.
- ◆ SINGLE PHASING PROTECTION.

APPLICATIONS

COMPUTERS OF ALL KINDS, BIO - MEDICAL EQUIPMENTS VIZ.: X-RAY UNITS, ULTRA SOUND ETC., PHOTOCOPIERS, OFF-SET PRINTING MACHINES, MICRO-PROCESSOR BASED EQUIPMENTS VIZ.: CNC MACHINES ETC. CENTRAL AIR-CONDITIONERS, ELEVATORS, COMMUNICATION SYSTEMS AND INDUSTRIAL PLANTS.

OTHER PRODUCTS

CONSTANT VOLTAGE TRANSFORMERS (CVTs), UNINTERRUPTED POWER SUPPLY (U.P.S.), VOLTAGE STABILIZERS, FAX GUARDS, INVERTERS, BACKUP SUPPLY FOR CORDLESS PHONE AND CUSTOMIZED TRANSFORMERS.

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