



SERVO CONTROLLED AUTOMATIC VOLTAGE STABILIZER 1 TO 2000 KVA



THE WELDING PEOPLE

stercoweld





SERVO CONTROLLED AUTOMATIC VOLTAGE STABILIZER (AVR):
 'STERCO' Servo Stabilizer is a revolutionary product in the field of voltage stabilization. It is specially built for constant voltage output for the areas where voltage supply is fluctuating and damage the sophisticated equipments.

APPLICATIONS:

The system keeps in check voltage variations by fast rate of correction. It is designed for working on single phase as well as three phase AC supply. These stabilizers are manufactured for continuous use at full load, and are suitable for Balanced & Unbalanced load.

DESCRIPTION:

'STERCO' (AVR) consists of the followings:-

1. Continuously variable Voltage Regulator.
2. Electrolytic Copper Wound Buck Boost Transformers duly vacuum impregnated.
3. Electronic Control Circuit and meter panel.
4. Synchronous motor is controlled by thyristors which are itself controlled by CMOS integrated circuit. Thus the whole system is quite solid state.

The Buck Boost Transformer and Variac are oil cooled housed in same or separate sheet metal tanks. Radiators provided for effective cooling if required. The transformer is incorporated with core of high grade Electrical Silicon steel Lamination to minimise the losses.

ENOUGH REASONS FOR YOU TO CHOOSE "STERCO" (AVR):

- * Efficient & Rugged Design Industrial Stabilizer with high Reliability
- * Easy to Install and Operate.
- * Maintenance free with unbeatable performance.
- * Prompt after sales service.
- * Specially designed for Indian sub-continent climate.
- * Backed by 40 years of Experience in Power Electronics.
- * Modular Concept.
- * Value for Money.

ADVANTAGES:

- * Energy Saving.
- * Improved Power Factor.
- * Lower Break Down for Electrical Equipment.
- * 100% Depreciation.
- * End product with uniform quality.



TECHNICAL SPECIFICATIONS

TYPE	SINGLE PHASE	3Φ BALANCE LOAD	3Φ UNBALANCE LOAD
INPUT VOLTAGE RANGE	160 V- 260 V AC	300 V - 460 V AC	
KVA RATING	0.5, 1, 2, 3, 15, 5, 8, 10, 16, 20, 25, 31, 5, 40, 50, 100, 125, 150, 200, 300 & 350 KVA	3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 125, 150, 200, 300, 400, 500, 600, 1000 upto 2000 KVA	
CAPACITY			
OUTPUT VOLTAGE	225V - 230V AC Settable	400V - 415V AC Settable	
RATED OPERATING FREQUENCY	50 HZ	50 HZ	
METERING	72 mm to 100 mm Dial Accuracy 1.5 Voltmeter with Selector switch to indicate Input and output Voltage.		
INPUT/ OUTPUT CONNECTION UPTO 2 KVA OVER 2 KVA	15 Amps. Plug and socket Terminal for input & output Connections		
INDICATOR	Mains 'ON' pilot lamp on front panel, Low, and High limit indicator of Dimmer on front panel.	Mains pilot lamp on each phase Low and High limit indicator of Dimmer on front panel. Oil indicator will be there	
MANUAL CONTROL	Provision for manual control of output.	Provision for manual control of output on each phase.	
COOLING			
AIR COOLING	0.5 - 10 KVA	2.5 - 30 KVA	
OIL COOLING	15 KVA - 350 KVA	40 KVA - 2000 KVA	
OUTPUT VOLTAGE REGULATION	±1%	±1%	
RATE OF CORRECTION	20 Volts/ Second	30 Volts/ Second	
EFFICIENCY	More Than 95%		
DUTY CYCLE 100%		
SPECIFICATIONS	IS : 9815 (Part1)/ 1994 (Reaffirmed 1999)		

OUR OTHER PRODUCTS

- * D.C Welding Rectifier
- * A.C Arc Welders
- * Pedal/Pneumatically Operated Spot Welder.
- * Wire/ Strip Butt Welder.
- * Band Saw Butt Welder.
- * Heating/Annealing equipment.
- * Electroplating Rectifier.
- * Auto variable Transformers
- * All type of Welding Accessories & Gas Welding Equipment

Additional Facilities can be provided at an Extra cost:

- * Low/ High Voltage Protection
- * Single Phase Preventor
- * Overload Protection
- * By Pass Switch
- * Reverse phase Preventor

Manual Voltage Stabilizers are also available

Non-Standard input and output ranges are also available against specific requirements.

Note: We reserve the right to change design and modify specifications of the discretion of our technical department.

Manufactured By:

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AN ISO 9001 : 2000 COMPANY

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