



An ISO 9001:2008 Certified Company

ORBIT POWERTRONICS PVT.LTD

Servo Voltage Stabilizers, Transformers & Digital Voltage Stabilizers



3 PHASE AIR COOLED SERVO VOLTAGE STABILIZER

The importance of the use of servo stabilizer (single and three phases) with sensitive electronics and electrical equipment is well known. No one likes to risk the costlier appliance, CNC Machine, electrical equipment, motor lab equipment, medical equipment etc, by commenting AC voltage which is not stabilized and dips at one point of time and at other point of time rises to very high value. ORBIT POWERTRONICS PVT. LTD. Voltage Stabilizer has been designed to give a constant output voltage for single as well as three phases applications with stability $\pm 1\%$ of the efficiency has been maintained high as 98% or more. Output voltage stability of servo voltage stabilizer allows the optimum drawing of the current by load and as such no extra electrical power is consumed at low as well as high voltage. Therefore use of servo stabilizer saves power and reduces MDI (maximum deliver current). The micro processor control makes operating flaw less.



TECHNICAL SPECIFICATIONS

Rating	1KVA to 100 KVA Three Phase 3KVA to 3000 KVA Three Phase
Input Voltage Range	1Phase 160V - 260V / 140 - 280V and 90V - 270V 3 Phase 270V - 460V, 250V - 460V and 150V - 460V
Output Voltage Range	1Phase 220 / 230 / 240 $\pm 1\%$ 3Phase 380 / 400 / 415 $\pm 1\%$
Output Waveform	True to Input
Input Frequency	45 - 55 HZ
Response Time	10m. sec.
Correction Speed	10 - 105 V/Sec
Correction Methods	Step less Correction using Variac
Cooling	Natural Air / Oil
Efficiency	Better Than 98%
Control Circuit	Fully Automatic IC Based Solid Stat, Glass Epoxy Control Card for easy on line Serviceability
Duty Cycle	100%
Operation	Auto / Manual
No Load Loss	Less than 1%
Compatibility to DG Set	Specially Designed Control Card for faithful operation on mains as well as DG Set
Suitability	Suitable for 3 phase Unbalanced / Balanced Supply, Unbalanced / Balanced Loads
Operating Temperature	15°C TO 50°C
Additional Facility	110 Volts Output can also be given



ORBIT POWERTRONICS (P). LTD.

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Manufacturer of : Online & Offline UPS, Inverter, Stabilizer, Servo & CVTs.

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