

SERVO VOLTAGE STABILIZER



DGS&D Registered

Tested by Govt. Test Lab

DESCRIPTION

Voltage sags, and surges, random spikes or transients can have catastrophic effect on vital computer, data storage and transmission, process control and security system.

SERVO STABILIZERS have been designed to provide continuous, highly stable and clean AC power for such vital AC loads.

SERVO STABILIZERS comprises of a variac, ac Servo motor, buck boost transformer & a solid state electronic control unit. The solid state electronic control unit, Senses the variations in the mains voltage and accordingly triggers the ac servo motor, which in turn will vary the brush of the variac to a proportionate level so as to give a precise output voltage at load terminals through the action of the buck-boost transformer.

SERVO STABILIZERS have been rigorously tested at DGS & D approved Govt. Test Laboratories and all specifications conforming to IS : 9815 (Part 1);1994

TYPICAL APPLICATIONS

- ALPMs, LANS, encoders, data processors, etc
- CRT'S Videos CNC Machines
- Process control instrumentation.
- Intensive care and diagnostic medical instruments.
- Signaling and telecommunication equipment.
- Electronic weighing scales, typewriters, tele printers
- Photo processing equipment.
- Electronic telephone exchange (EPABX).

FEATURES

- Solid state electronic control circuitry
- Modular plug in type control easily serviceable.
- High surge current capacity, suitable for induction motor.
- Wide mains frequency range from 45 to 60 Hz.
- No phase shift introduced Auto/ Manual facility
- ANY CUSTOMISED feature can be incorporated
- EXPORT QUALITY

TECHNICAL SPECIFICATIONS

INPUT

VOLTAGE	: Single phase, 2 wire : 160-260 VAC (standard) : 120-300 VAC (customized) : Three phase, 4 wire : 360/460 VAC (standard) : 300 - 460 VAC (customized)
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FREQUENCY	: 45 - 60Hz
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OUTPUT

VOLTAGE	: Single phase : 220/230/240 VAC \pm 1% : Three phase : 380/400/415 VAC \pm 1%
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EFFICIENCY	: Better than 95%
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CORRECTION RATE	: Better than 35v/sec
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EFFECT OF LOAD PF.	: NIL
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WAVEFORM DISTORTION	: NIL
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POWER RATING	: Up to 1000KVA
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TYPE OF COOLING	: Natural air cooled
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Oil cooled (OPTIONAL)	:
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PROTECTIONS :

1. Overload trip thru M.C.B / M.C.C.B
2. Over & under voltage indication
3. Single phase preventor for 3 phase
4. Output contactor (OPTIONAL)
5. Load switch ON time delay (OPTIONAL)

METERING :

1. Analog / Digital voltmeter with selector
2. Analog / Digital ammeter (OPTIONAL)

OPERATING CONDITIONS:

Ambient Temp.	: 0-50 deg.C
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Humidity	: 95% max. RH
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EMMANUEL ELECTRONICS

AN ISO 9001-2000 CERTIFIED COMPANY

Manufacturers of: **UPS System, Inverters, Stabilizers, Transformers, Power Supplies, Batteries**

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DEALER :