

ACPL

The Name Of Power People

- ☐ Extremely high efficiency
- ☐ Virtually zero waveform distortion
- ☐ Very low internal impedance
- ☐ No Phase shift
- ☐ Effect of load on power factor - Nil
- ☐ Insensitive to load magnitude & Power factor
- ☐ A close accuracy of the output for all variation of line voltage or load current within the specified range of the stabilizer
- ☐ Fast correction rate up to 70V/sec
- ☐ Quick response time 10 MS (Half a cycle)
- ☐ Industrial grade design for indoor topical use



AN ISO 9001 : 2000 & 14001:2004 CERTIFIED COMPANY
SERVO VOLTAGE STABILIZER

ACPL SERVO VOLTAGE STABILISER : FEATURE

The problem of fluctuation in supply voltage is a menace to electrical equipments. The magnitude of supply voltage should be reasonably constant to ensure long life of electrical equipments and optimum utilization of production system.

ACPL Servo voltage stabilizer is high-speed electro-mechanical regulators that provide constant voltage at pre-determined level. They yield an accurate and constant voltage. The stability in the output is achieved by the means of closed loop system in which the fixed portion of output is compared with a stable reference voltage. Any change in the output voltage will generate an error voltage, which is amplified suitably and fed for corrective action (i.e. to lower raise the output voltage as required). A solid state IC based electronic circuit in modular form assembled on glass epoxy PCB is used for this purpose.

We have over the year's accumulated vast experience in this field. With the help of our in-house active R & D Base, we are constantly working on technology up gradation and are in a position to offer customization of any equipment in our range.

SPECIFICATION : CAPACITY : 1 KVA TO 1000 KVA

Parameters	Single Phase	Three Phase
Input Voltage Range	90-280/140-280/160-260 Volt AC	225-500/270-470/300-460 Volt AC
Frequency	47Hz-53Hz	47Hz-53Hz
Output Voltage	230VAC + 1% (Adjustable)	415VAC + 1% (Adjustable)
Correction speed	including response time Upto 70V/Sec	Upto 70V/Sec Phase to Phase
Wave form Distortion	Nil	Nil
Overall Efficiency	>96%	96%
Effect of Load on Power Factor	Nil	Nil
Motor	Burn Proof High Torque A.C. Synchronous Motor	Burn Proof High Torque A.C. Synchronous Motor
Indications	Output on, Over Volt, Under Volt A.C. Voltmeter for Input/Output	Output on, Over Volt, Under Volt, A.C. Voltmeter for Input/Output Voltages for all Three Phase. A Voltmeter with selector switch to show phase to phase voltage.
Controls	Auto/Manual selector switch. Raised/ Lower push button Adjustment of output voltage when the control switch is in manual position. Output level adjustment knob.	Auto/Manual selector switch. Raised/ Lower push button Adjustment of output voltage when the control switch is in manual position. Output level adjustment knob.
Protection	Built in Over Voltage/Under Voltage trip. Over Voltage short circuit protection through MCB	Built in Over Voltage/Under Voltage trip. Over Voltage short circuit protection through MCB/MCCB Single phase preventer.

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