VOLTAGE STABILISER
SERVO CONTROLLED
ALFA Series

1KVA to 100 KVA
in single phases &
5 KVA to 2000 KVA
in 3-Phase

www.livelineindia.com | info@livelineindia.com

LIVELINE™
POWER THAT PROTECTS

In most industries, a minor fluctuation in voltage can cause the equipment to malfunction or break down. The basic use of a Servo Controlled Voltage Stabilizer is to control fluctuations in the input voltage and provide constant output voltage at the output. It also helps in reducing MDI and save power. Our ALFA range of stabilizers is known for their consistent performance and the tremendous benefits they bring to the businesses.

Applications Area

- Information Technology
- Process Control Equipment (NC/ CNC Machine, Plastic Molding Machine etc.)
- All Electrical / Electronic Equipment (Motors, Lighting, Electrical Oven, Furnace etc.)
- Medical Equipment (CAT scan, X-Ray machines, Physiotherapy etc.)
- Data Processing Equipment (Computers) Food Processing Industry
- Chemical Plants, Cement Plants & Textile Units
- Heavy Engineering Industries (Railway, Defense etc.)

Features:

- Industrially rugged design
- Suitable for unbalanced line & load conditions
- Single & three phase configurations
- Air or oil cooled systems
- Inbuilt isolations transformers
- Protection against surges and spikes
- Digital metering
- Can be designed to withstand harmonic currents
- Automatic Static bypass switch
- Rs-485 port for data communication/ SCADA
- Suitable for Modbus/ Profibus/ CAN protocol

An ISO 9000 and 14000 certified MSME registered manufacturing company

TECHNICAL SPECIFICATION

Particulars	Single phase systems	Three phase systems
Applications	For unbalance line and harmonic free loads	
Capacities	Up to 50 KVA	Up to 1500KVA
Duty cycle	Continuous operations 24X7	
	195V- 265V	350V – 460V
	170V – 270V	300V – 465V
	140V – 270V	240V – 465V
Input frequency	50Hz +/- 2%	50Hz +/- 2%
Output Voltages	220V/230V/240V	380V/400V/415V
Regulation	+/- 1%	+/-1%
Efficiency	Better than 98%	Better than 98%
Waveform	Same as input	Same as input
Load harmonics	Can be engineered for loads generating harmonic currents	
Effect of power factor	Nil	Nil
Drive	Synchronous motor	Synchronous motor
Protections	Over voltage, under voltage, over load and short circuit Protection against surges/spikes Delay timer for restart	
Indications	Input ON	Input ON
	Output Ok	Output OK
	High Voltage cut off	High Voltage Cut off
	Low voltage cut off	Low Voltage Cut off
	Auto/Manual mode	Auto/Manual mode
Metering	Analog or digital metering with selector switch wherever applicable	
Rate of correction	20V- 35V per second	
Insulation breakdown strength	2500V AC for 2 seconds for the transformer	
Isolation	Can be provided thru isolation transformer	
Manual/auto bypass facility	Manual or automatic static bypass facility available	
Operating temperature	Up to 50degree ambient	
Humidity	Up to 98% RH, non-condensing	
Enclosure	CRCA mild steel with IP-20 protection	
Connectivity	RS 485 physical connectivity	
Communications	Modbus/Profibus/CAN protocols	
Standard for stabilizer	As per IS 2026 & IS 9815	
Standard for oil	As per IS 335	

·Stabilizer as per customeris requirement. Stabilizer with 3 Phase to 1 Phase or two Phase, outdoor type also available.
·Due to Continuous R & D, Specifications are subject to change.

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LIVELINE ELECTRONICS
Phone - +91-33-24772094 Email - info@livelineindia.com
www.livelineindia.com

Doc no : LL/SCVS/C/20-21/Rev-0