

# 3 Phase

## Air Cooled SCVS (Servo Control Voltage Stabilizer)

10 KVA to 150 KVA

### Applications

- CNC Machines
- Bio Medical and Laboratory
- Scientific Equipments
- Printing / Textile Machineries
- Large Computer Installations
- Telecommunication
- IT networks
- Plastic Molding Machines
- Automation and Robot



Industrial Grade Servo Control Voltage Stabilizer (SCVS) are built to perform in harsh environmental conditions for 24x7. Designed to protect your mission critical equipment for years.

Our sturdy products perform efficiently fetching you highest ROI. Our customized SCVS solutions protect your Mission Critical equipment. Performance ensures-High MTBF, High uptime

### Features

- Uses solid state control circuits
- Quick response time 10 msec
- Excellent regulation  $\pm 1\%$
- Professional grade components for high reliability
- No wave-form distortion
- Not affected by load power factor
- Very high efficiency above 95%
- Very low No Load loss

### Advantages

- Stable power
- Equipment safety
- Energy saving
- Low Maintenance cost by 80%
- Low Investment



Defense Equipment



Automation and Robot



Food Processing



Health Care



# Air cooled 3phase Servo Controlled

## Technical Specifications

Product Range: 10 KVA to 150 KVA



POWER SOLUTIONS  
Since 2001

Sr. No.	Specifications	Technical Details
1	Input Voltage	415 VAC, 3 phase, 50 Hz, 4 wire+ ground
2	Input Voltage Range	340-480 / 360-460 / 250-520 VAC Customized options available
3	Output Voltage	400/415 VAC settable 220 VAC, 380 VAC options available
4	Operating frequency	50 HZ (47 – 52) Hz range
5	Output Voltage Regulation	+/- 1%-3% between specified range
6	Response time	< 3-10 msecs
7	Rate of Correction	60 V / Sec
8	Efficiency	> 98%
9	Wave form Distortion	Nil
10	Effect on Power Factor	Nil
11	Operating Temperature	10 – 50 Degree C
12	Storage Temperature	0 – 70 Degree C
13	Duty of operation	Continuous at 100%, INDUSTRIAL grade design
14	Cooling	Natural Air Cooling
15	IP protection grade	IP21
16	Magnetics grade	Class F/H insulation

### PROTECTIONS

UNDER / OVER VOLTAGE	Contactor/ Relay
Short Circuit	Contactor & MCB/MCCB
Over Load Protection	MCCB/MCB
Single phasing Preventer	Inbuilt- Single phasing Protection
Neutral Lift Protection	Optional
By Pass Switch	Optional: Manual Rotary bypass in case of stabiliser failure.

### INDICATION for Each Phase

Mains On	Every phase
Under/Over Voltage	Every phase
Voltmeter	0 – 500 VAC every phase or LCD metering
Output voltage setting	It should be possible to set the output voltage from the front panel

### Digital Micro-controller

Control Circuit	Micro-controller based system
Programming & configuring	Front panel keys and display help in configuring operational parameters as per site requirement
Display	Large 4 Line LCD display
Functional Parameter display/Metering	All real-time voltage & current parameters
Fault-Protection parameter display	All Input & Output side faults with details
Protection	Password protected

