



AN ISO 9001-2015
CERTIFIED COMPANY



GoldenTM
Tough on power soft on Machine



GOLDEN GENIUS SFX
SERVO STABILIZER



- 20*4 LCD display is used for easy reading of parameters.
- True RMS sensing and reading of voltage and current.
- 100 event error log facilities for easy diagnosis of fault level.
- Internal variable timer is adopted for on time delay and overload trip of SCVS
- Selectable phase reverse function.
- Earth Neutral cut off
- Load Percentage & KVA
- Selectable auto on function.
- Less analog circuit and hence failure rate is reduced.
- Built in digital meter for monitoring the voltage / current & frequency.
- Separate isolated PCB for Triac switching for motor.

SOUTH INDIA'S NO.1 SERVO STABILIZER MANUFACTURER

Specifications:

System construction	As per IS:9815
Single phase capacity	1 to 25 kva
Three phase (air cooled)	3 to 500 kva
Three Phase (oil cooled)	3 to 5000 kva
Input Voltage Range for 1PH-AC	90V-270V,110V-270V,140V-270V,170V-270V,195V-270V
Input Voltage Range for 3PH-AC	190V-465V,240V-465V,260V-465V,295V-465V, 320V-465V,340V-480V,360V-480V
Special range	As per customer requirements
Output voltage	220/230/240 V AC in single phase 380/400/415 V AC in three phase
System	Unbalanced/balanced type
Connection	Star-Star
Output Voltage regulation	(+/-) 1% from no load to full load
Servo motor drive model -A	AC Servo Synchronous Motor - Small
Correction speed	35 V/sec-1 ph, 60 V/sec-3 ph
Response time	Above 60 milli.sec.
Servo motor model-B	DC servo motor
Correction speed	Upto 105 V/sec.
Response time	10 milli.sec.
Operating frequency	47 to 53 HZ
Output waveform	True reproduction of input
Insulation	Class "F" for Air Colled / Class "A" for Oil Colled
Short circuit percentage and period	300 % for 250 milli sec.
Overload capacity	120 % for 1 minute
Effect of load P.F on OP Volts	Nil
Waveform distortion	Nil
Duty Cycle	100 % continuous
Surge & Spike Protection	By Using Class2 SPD (Optional)
Ambient	Upto 45c max above ambient Relative humidity upto 90%
Efficiency	Better than 98% (electrical consumption saved)
Environment	Designed for indoor / outdoor tropical use
Mounting	On wheels
Earthing	Earthing terminals provided
Enclosure	Cabinet RAL 9005 & Front Display Door RAL 7040

- ✓ HIGH EFFICIENCY & FAST RESPONSE.
- ✓ 99.99% FAILURE PROOF CONTROL CIRCUIT.
- ✓ BUILT IN BYPASS SWITCH UPTO 100 KVA.
- ✓ LESS ACTIVE COMPONENT AVOIDS FAILURE RATINGS.
- ✓ SPECIAL ELECTRONIC CIRCUIT TO OPERATE ON GENSETS.
- ✓ SINGLE PCB FOR THREE PHASE SENSING AND CORRECTION.
- ✓ OPTOISOLATOR CIRCUIT WHICH IS HIGHLY RELIABLE.
- ✓ SEPARATE ISOLATED PCB FOR TRIAC SWITCHING FOR MOTOR.

APPLICATIONS

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|------------------|------------------------------------|
| TEXTILE SPINNING | CNC |
| PROCESSING | LASER CUTTING |
| KNITTING | MEDICAL EQUIPMENT |
| WEAVING | RESIDENTIAL & COMMERCIAL BUILDINGS |
| OIL & GAS | BANKING & SHOWROOMS |
| HOSPITAL | R&D / TESTING LABS |
| PRINTING | LIFTS & ELEVATORS |
| | AIR CONDITIONS PLANT |
| | TELE COMMUNICATIONS |



1PH
Air cooled

3PH Air cooled -
Residential Model



3PH Air cooled -
Industrial Model

3PH Air cooled
above 150KVA



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