

Tough on power soft on Machine



## Salient Features

- High efficiency & Fast response.
- Wide input voltage range & Audible alarm for trip conditions.
- 99.99% failure proof control circuit.
- No over under, shoots and hunting.
- Built in bypass switch upto 100 Kva.
- Less active component avoids failure ratings.
- Special electronic circuit to operate on gensets.
- No effect of power factor and frequency variations.
- Single PCB for three phase sensing and correction.
- Voltage at speed related to rate of fluctuations and avoids oscillations & hunting In dc motor drive.
- Variable speed high torque dc servo motor proportionally controls corrections.
- Rugged and smooth ac motor drive control through optoisolator circuit which is Highly reliable.
- Separate isolated PCB for triac switching for motor.

## High Reliability

High reliability due to digital monitoring and controlling using micro controller.

All components sourced from reputed manufacturers, confirm to IS/BS/VDU standards.

All raw material inspection as per internal components manual.

Individual assemblies and sub assemblies tested separately.

All electronic assemblies tested on full load at 55 deg c in oven for 48 hours to Minimize failure.

Final equipment tested for accelerated life test to identify and replace any weak links.

## Protections

Input and Output Low Voltage protections.

Input and Output High Voltage protections.

Phase rotation/single phasing preventer.

Input protection using HRC fuse.

Control circuit protection using fast blow fuse.

Electronic overload protection.

Battery Charger



Online UPS



## LCD - Specification

- 16\*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.
- 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.



Servo Stabilizer - Three Phase Oil Cooled

Below 1000 KVA



Servo Stabilizer - Three Phase Air Cooled



Servo Stabilizer - Single Phase Air Cooled



Static Stabilizer Thyristor Switching Type



Power Saver



PARAMETERS	SPECIFICATION
Single phase capacity	1 to 25 kva
Three phase (air cooled)	3 to 150 kva
Three Phase (oil cooled)	3 to 2000 kva
Input voltage range	170-270 Single phase 295-465 volts three phase
	195-270 Single phase 340-465 volts three phase
	205-270 single phase 360-465 volts three phase
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/Delta or 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 "B"
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
Ambient	Upto 45c max above ambient Relative humidity upto 90%
System construction	As per IS:9815
Enclosure	Powder coated
Efficiency	Better than 98% (electrical consumption saved)
Environment	Designed for indoor / outdoor tropical use
Mounting	On wheels
Earthing	Earthing terminals provided

## APPLICATIONS

R & D / Lifts / CNC / Laser  
 IT & Call Centre  
 Processing Plants  
 Medical Equipment  
 Moulding Machines  
 Air-Conditioning Plants  
 Escalators & Elevators  
 Group Housing Societies  
 Hospitals & Nursing Homes  
 Defence & Telecommunications  
 Commercial Buildings & Complexes  
 Printing & Publishing Companies  
 Automobile, Chemical & Textile Industries

## OPTIONAL FEATURES

Electronic Over Load Protection  
 Digital Amps Meter  
 Bypass Switch Above 100 Kva  
 EMI/RFI Filter & Spike Suppressor  
 MCB/MCCB For Input  
 Dimmer Fuse Protection

## OUR OTHER PRODUCTS

Online UPS  
 Domestic UPS  
 Battery chargers  
 Float Cum Boost Chargers  
 Isolation Transformers  
 Variacs/Dimmer/Auto Transformers  
 DC Rectifiers

## High Reliability

Golden Isolation Transformers offer complete line isolation, continuous noise filtering to eliminate harmonic distortion and enhanced common mode surge suppression internal low impedance isolation transformer component with Faraday Shield offers 100 % isolation from the input AC line. The Common Mode Noise and Normal Mode Noise are generated in the common Utility Mains due to the Parallel connection of the critical loads to the Noise generating loads. These High magnitudes noises occur between conductors due to switching action of the Load connected in parallel to the sensitive loads, These noise is Isolated by GOLDEN ISOLATION TRANSFORMERS and safe guard the critical/precise loads like CNC / Medical / Software industry etc. We manufacture 1 kva to 2000 kva capacity designed for isolating sensitive equipments from Line Voltage Transients, Spikes & D.C. leakage. Also removes EMI/RFI noise, utility switching transients and background spikes.

Isolation Transformer



Variable - Auto Transformer



Capacity : 1 kva to 2000 kva  
 Regulation : 3- 5 %  
 Core : CRGO/CRNO

Dielectric Strength : 2500 V for 1 min.  
 Resistance : Greater than 100 Mega ohms  
 Connection : Delta/Star or Star / Star for 3 phase

Insulation : Class B, H of F  
 No load Current : less than 5%  
 Power Factor : 0.8 lag to 0.8 lead

## Golden Make Variac

- Single, Two, Three phase Air / Oil cooled.
- Doubled wound, Open / Servo/Close type is available.
- On the above manually operated/ motorized operated types is also available.

## Specifications

- Capacity (Air cooled) : 4 amps to amps.
  - Capacity (Oil cooled) : 40/60 amps to 300 amps.
- Voltage ratings:**
- Single phase : Input 240 volts, output 0 to 270 volts.
  - Two phase : Input 415 volts, output 0 to 470 volts.
  - Three phase : Input 415 volts, output 0 to 470 volts.

## Features

High quality branded make copper and high efficiency CRGO core is used | Best mechanical assembly and quality fixtures assembly  
High efficiency and regulation | No wave form distortion



## About us

Golden Electronic Controls India Pvt Ltd., a leading Manufacturing company in South India for Servo Stabilizer & UPS, with the brand name of GOLDEN, started in 1996 as Partnership Company and subsequently changed to Private Limited company in 2006 and increased the network to other parts of India, Strict quality control and super finish of the products for long lasting life expectancy is taken care. Our quest for innovation makes us the only company in South India to have complete manufacturing set-up facility as Fabrication, Powder Coating Painting shop, PCB Manufacturing, Magnetic division for Variac and Transformers etc under one roof. All products are designed and developed by our Research and Development team and that constantly innovates and upgrades product quality and utility. Our qualified technical staffs are well trained and they ensure strict quality control and superior finish to the products. We have good marketing team in the organization, which is implementing aggressive and innovative strategic methods to achieve target. We give great importance to the customer care and have a separate wing for Service activities.



## Major Customers

HPCL, BPCL, Centre For Water Resources Development, Karnataka Bank, Forbes Gokak Limited, Karunya Institute of Technology, Makino India Pvt Ltd., Caparo Engineering India Pvt Ltd., Siyaram Silk Mills Ltd., Indusilla Ltd, Summer India Textiles (P) Ltd., M - Tab Engineers (P) Ltd., Galaxy Machinery (P) Ltd, Sundaram Fastners Ltd & TVS Sri Chakara Ltd., Dept of Space (Gadanki), Nikhil International Pvt Ltd, India International House Ltd, YMCA, Government of India-Engine Factory, Agean Industries , First Step Baby Wear, Siyaram Silk Mills Ltd, Indusilla Ltd, Bharti Axa Life Insurance, Maruti Cotex, ACC Limited, Nectar Prints Pvt Ltd, Singla Motors, IDBI Bank, Axis Bank, ICICI Bank, Canara Bank, Agriculture College & Research Institute, Avinashilingam University, Anna University, Defence Staff College (Wellington), TB & Aids Research Institution (Chennai), Indian Institute of Technology (Kanpur), Prognosys Medical Pvt Ltd, Kern Libers Springs & Stampings, Avery Dennison (India) Pvt Ltd, Hindustan Petroleum Corporation, Aavin, Kerala Water Board, Bharath Petroleum Corporation, NSIC, Centre For Water Resources Development, Govt.Industrial Training Institute, Summer India Textiles, Sundaram Clayton.

Design Manufacture & Marketed by:

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