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INDUS®

An ISO 9001-2015 Company

SERVO CONTROLLED VOLTAGE STABILIZER

Available in Range of 10 KvA to 1000 KvA

Components sourced from reputed manufacturers.

100 % Raw materials inspection per internal Quality Plan.

Individual assemblies and sub assemblies tested separately

All Electronics PCB's are tested at 60° C in oven.

Tested for 24 hours with continuous voltage variation from minimum to maximum.

Applications


All C.N.C Machines


Medical Equipments


Computer & IT Sector


Telecom Equipments


Domestic Lighting Load


Commercial Complex


Hospitals & Labs


Printing Industry

Technical Specifications of
SERVO CONTROLLED VOLTAGE STABILISER

Specifications	1	2	
	V	320	
Input Voltage Range	295V - 470	V – 470V	360 – 470V
Output Voltage	V 400/415V	400/415V	400/415V
Output Voltage Accuracy		± 1% / (0.5 % optional)	
Frequency		47 – 53 Hz.	
Type	Unbalance Supply and Load Conditions		
Response Time		20 msec Max.	
Efficiency		Better than 98 %	
Rate of Correction		Upto 105 V/Sec	
Duty	100 % Continuous / 110 % for 1 Hr. / 150 % for 10 Sec.		
Wave form Distortion		Nil	
Effect of Load Power Factor		Nil	
Cooling		Air / Oil Cooled	
Ambient	0 – 45° C Max. Relative Humidity upto 90 %		
Environment	Designed for indoor tropical use		
Ratings KVA - Air Cooled	10 - 150 KVA		
Ratings KVA - Oil Cooled	10 - 150 KVA		
Single Phase Voltage Stabiliser			
Input Voltage Range	V - 270V	170 – 270	
Output Voltage		V 230	230
Ratings KVA - Air Cooled		A - 25 KVA	

Standard Features

Regulator: Special Sensing Circuit to maintain constant output voltage electricity and DG.
Metering: 7 Segment LED Display/ LCD Display for Input and Output Voltage / Output Current / Frequency.
Output Voltage Protection: Adjustable Output Under and Over Volt. Alarm /time Delay Circuit / Trip and By Pass facility
Controls: Auto - Manual Switch / Lower – Raise switch
Servo Motor Protection: Voltage Cut-o? for Servo Motor at Input Under and Over Voltage
MCB/MCCB: Std. Upto 20 KVA/Above 20KVA

Optional Featur es:

MCB / MCCB / ACB: For Over Load and Short Circuit Protection
Single Phase Preventer: Single Phasing indication with Cut-off (Phase Loss)
Output Over Load: Electronic Over Load Protection Change Over / Bypass Stabiliser By pass Switch switch
Input Voltage Protection: Input Under and Over Voltage Display and Cut-off
Neutral Loss: Output cut-o? if Neutral is Missing at Input SS Surge Suppressor
SPD (Class C):Surge Protective Device 8/20 micro sec. as per IEC 61000-4-4 / 61000-4-5Salient Features:
Response Time: Less than 20 ms
Rate of correction: Upto 105 V / Sec.
Motor: Variable Speed high torque, AC servo Motor with proportional control
High Eficiency: 98 %, using high grade Laminations and Electrolytic grade Aluminium/ Copper.
Control: Fully Solid state control circuitry
DG Compatible: Special sensing circuit to maintain output voltage
Auto / Manual Control: Facility on Front Control Plate in unlikely events.
Construction: Rugged construction with Caster wheels for easy movement.
Electronics Cards: Plug in type Glass Epoxy with masking.
All Electronics cards are tested on load at 60 ºC and are Interchangeable.
Raw Materials: 100 % Inspection of Raw material as per Quality Plan.
Sub Assembly: 100 % testing of all sub-assembly, as our standard operating at various stages.
Plug in Type Connectors: Polycarbonate for longer life

INDUS®
ISO 9001- 2015 Certified

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