

Servo Controlled Voltage Stabilizer

FOR INDUSTRIAL APPLICATIONS



SERVO SERIES

1 PHASE : 1KVA - 20 KVA

3 PHASE : 3KVA - 2000 KVA

- MICRO-CONTROLLER BASED
- DIGITAL/ LCD DISPLAY
- COMPREHENSIVE PROTECTION
- HIGH EFFICIENCY
- RUGGED DESIGN
- FOR UN-BALANCED LOADS

An ISO 9001:2015 Certified Company

SERVO STABILIZER NT1A SERIES 1 PHASE (1KVA - 20KVA)

N-Dura Single Phase Servo Stabilizer uses a sophisticated micro-controller based control system that enables easy configuration of the servo stabilizers to meet user requirements. A comprehensive display communicates the status of the stabilizer at a glances.



1 Phase Air-Cooled



3 Phase Air-Cooled

SERVO STABILIZER AIR-COOLED NT3A SERIES (3 PHASE) (3KVA - 40KVA)

N-Dura (3 Phase) Servo Stabilizer is designed to handle all type of industrial loads. The Stabilizer works on an advance Micro-Controller based (DSP) technology which control & stabilizes the load voltage & load current variation and also protects the machinery from both under/ over voltage, over-loading and phase reversal.

SERVO STABILIZER OIL-COOLED NT30 SERIES (3 PHASE) (10 - 2000KVA)

Shakti Power Solutions Private Limited with a combined experience of more than 30 years providing innovative solutions to all your power conditioning requirements.

Features:

- Fast Correction Rate and Very High Efficiency
- Works worldwide Input Frequency Range and no waveform distortion
- Auto-Manual Operation Facility
- Over Voltage and Under Voltage Indicators
- Unaffected by Load Power Factor.



3 Phase Oil-Cooled

Technical specifications:

Buck N Boost Series Transformer if required	170V - 280V Standard - 1 Phase
	340V - 470V Standard - 3 Phase
	Customized Range Available on Request
Output Voltage	400V ± 1% (Phase to Phase) Output Frequency
Output Frequency	Same as input Frequency
Insulation	Class A, Greater than 6m ohms
Application	Indoor Type
Type	Suitable for: 100% Un-Balanced Load & Supply
Operating Temperature	(-15°C) to (55°C)
Type of Cooling	Air-Cooled/ Oil-Cooled
Type of Oil	Mineral Oil as per IS:335:1953
Speed of Correction	22 v/sec
Response Time	Instantaneous (Milliseconds)
Wave Form	Same as Input
Duty Cycle	24 Hours (Continuous)
Phase	Single Phase, 2 Wires - 3 Phase, 4 Wires
Standard	IS 2026 & IS 9815
Ingress Protection	IP 55 (Indoor)
Efficiency	99%
Relative Humidity	95% Non-Condensing as per IS:9815:1994
Mode of Operation	Auto/ Manual
Suitability	Suitable for all Power Factors
Losses at No Load	0.4% of the Total Capacity
Losses at Full Load	1% of Full Load
Laminations Used	Imported Low Losses CRGO Lamination - M4 Grade
Copper Used	"Sterlite or Equivalent" 99.99% - Pure Electrolytic Grade
Carbon Brushes Used	Imported High Grade Graphite
Class of Insulation	Class A, Greater than 6m ohms
Breakdown Strength	2500Vac for 2 minutes (For Transformer)
Variac	Motorized Variac for each phases with copper wound on Toroidal CRGO Core, plan track for smooth movement of Carbon bush for firm contact & suitable torque Servo Motor
Regulator	Toroidal Type/ Linear Type
Cabinet Finish	Powder Coated Mild Steel Cabinet
System Construction	As Per IS:9815
BBT	CRGO Core Material 0.27mm (Thickness)
Color	SIEMENS GREY + BLUE

Digital Micro Controlled Processor	3 No's
Based Control Card	
AC Synchronous Servo Motor	3 No's
Copper Wound Motorized Variable	3 No's
Auto Transformer, Wound On	
Toroidal CRGO Lamination with High	
Quality Graphite Carbon for Smooth	
Functioning	
Buck N Boost Series Transformer if required	3 No's

* Specifications are subject to change without prior notice.



SERVO
Designed as per Customer Requirement's



**COMPANY
PROFILE**



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