

SWEES HIGH PERFORMANCE SERVO STABILIZER



HPS 1 - 10 KVA: 1 PH
HVPS 10 - 125 KVA: 3 PH

FEATURES

- Advanced Microcontroller based control system
- Wide Range Operation-Input Voltage & Frequency
- Digital Displays -Voltage, Current & Frequency
- Voltage Low/High cutoff for both Input & Output 1 PHASE
- Overload cutoff with auto re-start
- Fast correction Synchronous Motor drive
- Stable output voltage even for nonlinear loads
- Error log for last 100 fault events for 3PH

APPLICATIONS

- CNC Machines
- Textile/Garment/Printing machine
- Medical equipment
- Analytical equipment
- Audio/ Video equipment
- Packaging machinery
- Fitness equipment
- Office/Commercial Complex
- Computers and IT loads



CNC Machine



CNC shaft turning m/c



CT- scan



Food processing - Automation

TECHNICAL SPECIFICATIONS

SWEES HIGH PERFORMANCE SERVO STABILIZER

PARAMETER	1PH STABILIZER	3PH STABILIZER
Capacity	1.0 to 10 KVA	10.0 to 125 KVA
Input voltage range	170-270V	295-470V
Output voltage	220V/230V	400V/415V
Output voltage regulation	+/-1% of nominal output voltage	
Input frequency range	47Hz to 53Hz	
Controller	Micro controlled based True RMS Sensing and Correction	
Type of servo control	Triac Based drive for AC Step Synchronous Motor	
Metering: a) Input voltage b) Output voltage c) Output current d) Output frequency	3 digit 7 Segment Display	16x2 LCD Display
LED Indications:	<ul style="list-style-type: none"> • Input/output Status • Over Load • Output On 	<ul style="list-style-type: none"> • Input Status • Phase Reversal • Overload • Output On
Alarm	For all faults	For all faults
Protections:	<ul style="list-style-type: none"> • Input Voltage low/ high cutoff • Output Voltage low/high cutoff • Over load cutoff at 110% with auto re-start • MCB provided 	<ul style="list-style-type: none"> • Input Voltage low/ high cutoff • Output Voltage low/high cutoff • Over load cutoff at 110% with auto re-start • MCB/MCCB provided
Efficiency	>98.5%	
Effect on load power factor	NIL	
Wave form distortion	NIL	
Programmable Options	Voltage cutoff, Overload Auto/Manual Start Cutoff delays	
Type of Cooling	Air cooled	
Others a) Fast voltage correction b) Transient Protection c) Emergency Manual bypass d) Ambient Temp e) Design standard	<p style="text-align: center;"><40ms</p> <p style="text-align: center;">MOV</p> <p style="text-align: center;">Optional</p> <p style="text-align: center;">0-50deg</p> <p style="text-align: center;">As per IS9815</p>	



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