

SERIES 08

Servo Voltage Stabilizer, Three Phase, Low High Voltage Cut Off, Overload & Short Circuit Protection, By Pass Facility, Copper 100%, 08TSO30

CAPACITY IN KVA	INPUT VOLTAGE RANGE IN VOLT	MAXIMUM EFFICIENCY %	OUTPUT VOLTAGE IN VOLT
30	120 - 260 (Single Phase)	$\geq 95\%$	$415 \pm 1\%$ (Three Phase)

Key Features & Benefits



-  Eliminates voltage fluctuations.
-  Provides correct voltage to the accuracy of $\pm 1\%$.
-  Voltage control is step-less.
-  Reduces failure rate of electrical devices.
-  Functions as Energy saving device.
-  Negligible phase shift ensuring no change in systems power factor.

APPLICATIONS

- ❖ Industrial / Commercial load
- ❖ Hospitals
- ❖ Printing Press
- ❖ Submersible Pumps
- ❖ Any sophisticated electric/electronic equipment

Technical Specifications

Model Number	08TSO30-155
Input	
Input Voltage Range* (Ph-Ph Ph-N)	200VAC - 460VAC 120VAC - 260VAC
Input Frequency	50Hz \pm 3Hz
Wave form	Sinusoidal
Input Connection	3 Phase, 4 Wire AC
Output	
Capacity	30 KVA
Output Voltage* (Ph-Ph Ph-N)	415VAC 240 VAC
Maximum Current	58 A
Line and Load Regulation	\pm 1%
Efficiency	\geq 95%
Output Frequency and waveform	Same as input
Output Connection	3 Phase, 3 Wire AC (Neutral Common To Both I/P & O/P)
Effect of Power Factor	Nil
Motor Drive	Heavy Duty AC Synchronous Motor
Correction Speed	>10 V/sec
Response time	< 10 millisecond
Duty Cycle	Continuous
Protection, Display and Features	
Indication	LED Display : Mains On / Output On / Low Cut Off / High Cut – Off
Display	Digital display of Input voltage, Output Voltage
Protection	Over Voltage / Under Voltage / Over Load / Short Circuit
By Pass Facility	Yes
Time Delay	Yes
DG Compatibility	Yes
Insulation Resistance	5 megaohm or higher measured at 500V DC
Transformer Oil (in Liters)	110
Constructional Details	
Dimensions in mm	1080x450x485
Weight in Kg (Including Oil Weight)	\approx 275
Earthing Point	Yes
Operating Temperature	0 – 50°C
Nature of Cooling	Oil Cooled
Coat and colour	Painted with Mahindra Grey Colour
Standards and Warranty	
Stabilizer Standard	As per IS 9815
Manufacturing Standards	ISO 9001: 2015 Quality management system
Warranty	1 Year, against any manufacturing defects.

* For different Input/Output Voltage range consult factory/sale

Note: HPCS is continuously upgrading its products that may lead to change in specifications.

Manufacturing Unit:

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