



**KPS**<sup>®</sup>  
*we care for power*

ISO 9001:2015 CERTIFIED CO.

## THREE PHASE AIR COOLED SERVO STABILIZER 3 KVA -125 KVA

### Silent Feature:

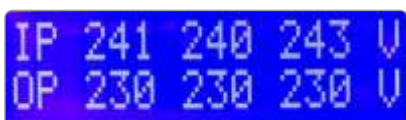
- ❖ 10Ms Fast Correction Response
- ❖ Microcontroller (DSP) based controlling system
- ❖ True RMS LCD Displays For Fault and Monitor power Data
- ❖ User adjustable setting of O/P Voltage, High/Low cut-off limits & Manual / Auto Restart time delay, with great accuracy
- ❖ Cut-off protection with graded time delay
- ❖ Auto/Manual Drive Operation
- ❖ Wide Input Voltage Window
- ❖ Suitable for balance and unbalance load
- ❖ Reduce Power losses and Save Energy 8-10 % overall
- ❖ Phase reverse and losses Protection
- ❖ Neutral Losses/ Hi Earth Voltage Protection.
- ❖ Built in Contactor and Manual Bypass Facility
- ❖ User settable, Hi-Low Input and Output Voltage
- ❖ Compact Size With Dust Free Design
- ❖ Built In Surge Protection For Hkva Oil Cooled Systems
- ❖ Optional EMI, RFI, Surge Protection on Demand.
- ❖ Low Maintenance and Trouble Free Operation.
- ❖ SMD Components for Long Life and Accurate Reading.
- ❖ Prime Grade Electrical Conductors Housed in Enclosure Design in CNC Machine and Powder coated as per IS Standards.



### Application:

Main Line Servo, Medical Equipment, Printing m/c, CNC/VMC, Robotics, Hotel, Resorts Application etc...

## UNIQUE FEATURES



LCD DISPLAY WITH  
FAULT LOGGER



HI GRADE  
COPPER COIL



SMD COMPONENTS  
FOR ACCURATE READING



EMERGENCY  
MANUAL BYPASS

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# TECHNICAL SPECIFICATION:

## Three Phase - Air Cooled

Parameter	3 Phase Unbalanced Air Cooled
Rating (kVA)	3KVA – 125KVA
Type Of Design	Servo Stabilizer With O/P Sensing Feedback Systems
Type of cooling	Natural/Force AIR cooled with Proper Ventilation
Type Of Application	Indoor Application Only
Type of Servo Control	Micro Controller based True RMS sensing and correction
Servo Motor Drive	Triac based drive for AC Step Synchronous motor
Input voltage range (V L-L) *	310-480 / 360-480 / 360-500 3 PHASE
Output voltage (V L-L) *	415 V AC (380V/400V - optional) 3 PHASE
Output Voltage Regulation	1% of nominal output voltage
Input frequency range	47Hz – 53Hz
Correction Speed	60V/Sec
Efficiency	>97%
Waveform Distortion	NIL (Output Waveform Same As Input Waveform)
Effect of Load Power Factor	NIL (Effect Of Load PF On Output Voltage is NIL)
Under/ Over Voltage cut-off *	Electronic cut-off circuit with graded time delay, set @ +5% / -10% of nominal output voltage
Overload cut-off	CT based Electronic cut-off circuit with graded time delay set @ 110% of rated full load current
Short circuit protection	MCB / MCCB /HRC FUSE provided
Single phasing prevention	Built In (By Voltage Sensing Method)
Phase Reversal Trip	Provided
Stabiliser bypass	Provided up to 125 kVA
Transient Suppression	Spike Suppression through MOV is provided (Surge Arrestor is optional)*
Frequency cut off protection	Built In (By dip Switches)
Resetting mode	Manual / Auto option provided with programmable time delay
Display Type	2 Line LCD Panel
Parameters displayed	Input & Output Voltages (Line & Phase), Output Currents & Frequency, date and time.
Parameters displayed	Fault Communication, Event Log
Input / Output Terminations	Bolted Terminals up to 75kVA, Busbar 100kVA and above
Optional Protection	SPD, EMI, RFI, MOV, Line Chock Filter.

**Custom Designed:** Stabilizers of more than 125 kVA are also available with wider / shorter input voltage range & also with special output voltage, as per customer requirements.

### Also Available:

- ❖ 2 phase in 1 phase Output servo
- ❖ Isolation transformer
- ❖ IGBT based Online ups
- ❖ IGBT based Static stabilizer.
- ❖ Inverter & Batteries
- ❖ Lift Inverter



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