

Precise Correction, Complete Protection.

Servo Controlled Voltage Stabiliser

TPOC SERIES - THREE PHASE OIL COOLED

TPOC - 3 kVA To 1000 kVA

Salient Features

- Rugged and Smooth Voltage control.
- Electronic OV, UV & Overload Cutoff System.
- Intelligent time delay for Cutoff.
- High accuracy Digital Voltmeter at output.
- Ideal informative & user friendly front panel.
- Faster correction with zero hunting.
- Dual protection for Single Phasing.
- Integrated design of tank and control panel for better accessibility.
- Digital load manager for better analysis (Optional).
- Selective models for various applications.



Oilcooled Series

- **OC Series** : For unbalanced / balanced Input Voltage and Load Conditions.
- **OR Series** : For residential Single Phase Loads distributed over three phases.
- **OL Series** : For lighting loads to keep optimum brightness with reduced voltage.

Application

- Textile machines
- Machine Tool/ CNC
- Printing equipments
- Chemical industry
- Commercial establishment
- Telecom tower equipments
- Knitting equipments
- Other Sophisticated equipments

Airkom Electronics Pvt. Ltd (AEPL) is a part of **AIRKOM GROUP**. It has its Head Office and Factory at Navi Mumbai. Established in 1987, Airkom has its operations across the country. AIRKOM range of power conditioning products are manufactured, marketed and serviced by a young and dynamic team of engineers lead by a technocrat over 40 years experience.

Airkom SCVS Range

SP Series	: 1 to 25 kVA
TPAC Series	: 3 to 400 kVA
TPOC Series	: 3 to 1000 kVA
TPOB Series	: 3 to 1000 kVA
TPOL Series	: 15 to 1000 kVA

- Servo Controlled Voltage Stabiliser (SCVS)
- Uninterrupted Power Supply (UPS)
- Static Control System (SCS)
- Power Saver Unit (PSU)
- Industrial Automation - Drives, Motion & Control
- Isolation / Ultra Isolation Transformer
- Step Down / Step Up Transformer
- After Sales Support

AIRKOM[®]

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TECHNICAL SPECIFICATIONS

1. Nominal output voltage	415 V (Internally settable to 380V or 400V)
2. Input voltage range at 415V output voltage	
Model TPOC 1080	310 V - 480 V
Model TPOC 4080	340 V - 480 V
Model TPOC 6060	360 V - 460 V
3. Input frequency range	47 Hz - 53 Hz
4. Type of Stabiliser	Suitable for Balanced & Unbalanced Loads and Input voltages.
5. Output voltage regulation	±1% of nominal voltage
6. Average Correction rate	70 V / Sec
7. Servo Motor drive	A.C. Synchronous stepper motor
8. Efficiency	Better than 97%
9. Output Voltage Indication	Digital Voltmeter.
10. Resolution and accuracy of Digital Voltmeter	1 V; ± 0.5% of Full Scale, ± 1 digit.
11. Electronic Over and Under Voltage cut off	
Output high	+ 5% above Nominal output voltage
Output low	-10% below Nominal output voltage
12. Electronic overload cut off	Operative above 110% of rated output current with Intelligent time delay
13. Single Phasing prevention	By each phase voltage sensing and trip through Contactor
14. Short circuit protection	Through HRC Fuse at input
15. Stabiliser By-pass switch	Provided on the input side Standard upto 45 kVA (Optional above 45 kVA)
16. Fault annunciation Panel LEDs *	Input Present, Input High, Input Low. Output Normal, Output High, Output Low & overload
17. Resetting mode	Automatic with option for Manual Restart
18. Output ON time delay	Standard 15 seconds (Internal settable 3 minutes)
19. Response time	10 ms
20. Housing	Integrated design of tank and control panel for better accessibility
21. System construction	As per IS : 9815 Part II
22. Standard kVA rating available	3 / 6 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 60 / 75 / 100 / 125 / 150 / 200 / 250 / 300 / 350 / 400 / 500 / 600 / 700 / 800 / 900 / 1000
23. Guarantee	1 Year No Questions Asked Guarantee
24. Installation Requirements to be provided by the customer.	Input / Output cables and other accessories to be Provided by the user.

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication
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For more product information please contact us:

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