

# POWER CONDITONER

A M Power's Power Conditioners seamlessly integrate the benefits of Servo Controlled Voltage Stabilizers and Isolation Transformers.

Servo Voltage Stabilisers are designed to ensure that their output voltage remain constant irrespective of the voltage swings in the incoming power supply. Featuring advanced technologies like microcontroller-based signal processing and LCD displays, Power Conditioners vy A M Power maintain a stable power output, safeguarding equipment from voltage-related issues and providing a reliable power solution.

- ✓ **Earth Leakage / Ground Fault Monitoring with Trip and Indication.**
- ✓ **Surge Protective Device 8/20 micro sec. as per IEC 61000-4-4 / 61000-4-5. / Surge Suppressor (Metal Oxide Varistor).**
- ✓ **Stabiliser By pass Switch in case of emergency.**
- ✓ **High Low Frequency Cut off.**



## A M Power



## FEATURES

1. Micro Controller based Fast Signal Processing circuit.
2. High Torque Low Inertia AC Synchronous Motor with limit switches.
3. Rate of Correction up to 70 V / Seconds.
4. Response time less than 10 m seconds.
5. Energy Efficient - Low losses with Efficiency better than 96%.
6. Auto / Manual & Lower Raise controls.
7. Advanced electronic circuits to maintain constant output voltage even on DG.
8. LCD Display for 3 Phase Electrical parameters like - Input-Output Voltages L-N & L-L / Output-Load Current / Frequency, Various faults display, and display current Status.
9. Last 100 tripped faults log to check performance history.

## PROTECTION

- Per Phase settable Input under & Over Voltage Fault indication and Time delayed tripped.
- Per Phase settable Output under & Over Voltage Fault indication and Time delayed tripped.
- Per Phase settable Over load, Fault indication and Time delayed tripped.
- Input Phase missing or Phase Reversal Instant Tripping.
- Protection against Incoming Neutral / Earth missing Instant Tripping.
- Limit switches for Servo Motor at extreme input low and high.
- Time delayed Auto start, for stable Voltages at Output. (Optional Manual Start)

Type	KVA Ratings	Servo Motor	Input Voltage Range (VAC)	Output Voltage (VAC)
1 Phase	1 – 50 KVA	AC Synchronous Servo Motor	170 - 270	220 / 230 / 240 / 100 / 110
			150 - 300	220 / 230 / 240 / 100 / 110
Unbalance 3 Phase Air Cooled	5 – 100 KVA	AC Synchronous Servo Motor	340 - 480	380 / 400 / 415 / 200 / 220
			360 - 460	380 / 400 / 415 / 200 / 220
			300 - 500	380 / 400 / 415 / 200 / 220

a) Please contact our sales engineers for further guidance.

b) Non-Standard Input Voltage Range and Output Voltages are also available on request.

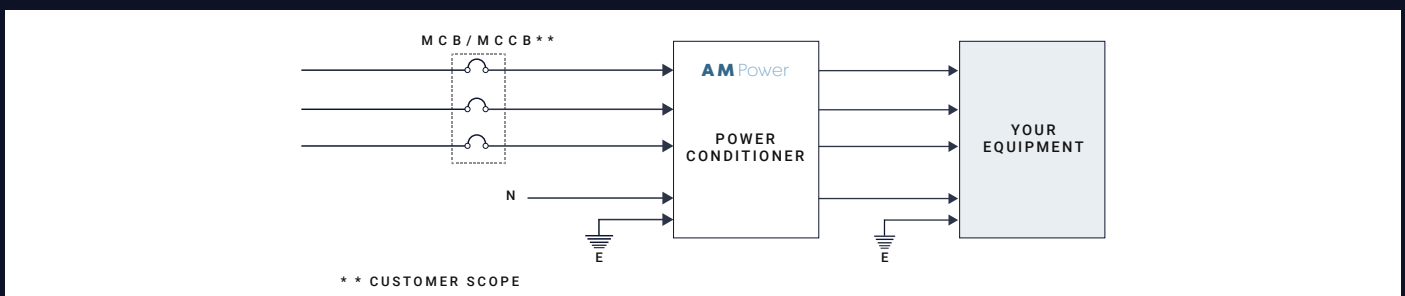
## TECHNICAL SPECIFICATIONS

Cooling	Air Cooled
Regulation	2 - 4 %
Response Time	< 10 m.sec
Rate of Correction	Upto 70 V / Sec
Efficiency	Better than 96 %.
Frequency	47 – 53 Hz.
Common Mode Noise Rejection	Better than 80 - 100dB.
Coupling Capacitance	Better Than 0.1 / 0.01pF.
Duty cycle	100% Continuous.
Effect of Load Power Factor	Nil
Wave form Distortion	Nil (Same as input)
Harmonic Distortion	None
Unbalanced Line and Load	Independent phase sensing and control provides for 100 % load imbalance.
MCB/MCCB #	At Incoming for Over Load and Short circuit protection.
Environment	Temperature range 0 to 50 °C. Suitable for indoor Tropical use 90% RH (non-condensing)
Construction	IP21
Color	RAL – 7035 (Grey)

## APPLICATIONS

CNC Machines	Printing Machines	Food Industries	Medical Diagnostic Equipment
Lab Equipment	Electronic Equipment	Data centers	Process Control equipment's
Water Treatment Plant	Injection Moulding Ind.	Robotics	Telecommunication Systems
Textile Machinery	Automobile Industries	HVAC Plants	Automatic car Parking System
Hospitals	Residential	Elevators	Pharmaceutical Machine

## ● INSTALLATION FIGURE ●



## CONTACT

171, Gajanan 3 Ind. Estate, Nr Hinglaj Mandir, Nr Sarnam Estate, 100ft Bhuvaladi Road, Kathwada, Ahmedabad, Gujarat 382430

✉ Email : [business@ampower.in](mailto:business@ampower.in)

☎ Call Us : +91 8140500666 // +91 9173442246

🌐 [www.ampower.in](http://www.ampower.in)

