



SWITCH TO
SAFE POWER FOR EVER



info@steponpowermac.com
www.steponpowermac.com

COMPANY PROFILE



STEPON POWERMAC was established in 1990 with the sole view to manufacturing, supplying and exporting the most advanced, comprehensive and more significantly; the incomparably innovative range of Electricals Et Electronics designing products that are in perfect sync with the various industrial needs of both national and international market.

Unrivalled performance, reliability, durability, low maintenance and energy efficiency are the hallmark of our superior products.

Our range of remarkably versatile Electricals & Electronics products include **Dimmer Volt (Variac) (Auto Transformers), Servo Stabilizers (STEPON Digital Automatic Servo Controlled Voltage Stabilizers), Ultra Isolation Transformers (All Electricals Transformers) & AC Synchronous Stepper Motor.**

Being superbly-led by a noted entrepreneur, visionary and instinctive leader Mr. G. R. Patel, STEPON POWERMAC is thoroughly committed to achieving new heights in the global market through unmatched performance.

Emphasizing on producing the highly result-oriented, customer friendly and productive technologies that can be the catalyst in the industries, we strive to win the trust of our invaluable clients through appreciable business ethics.

VISION

Our vision is to deliver modern design & frame facilitation for better life.

MISSION

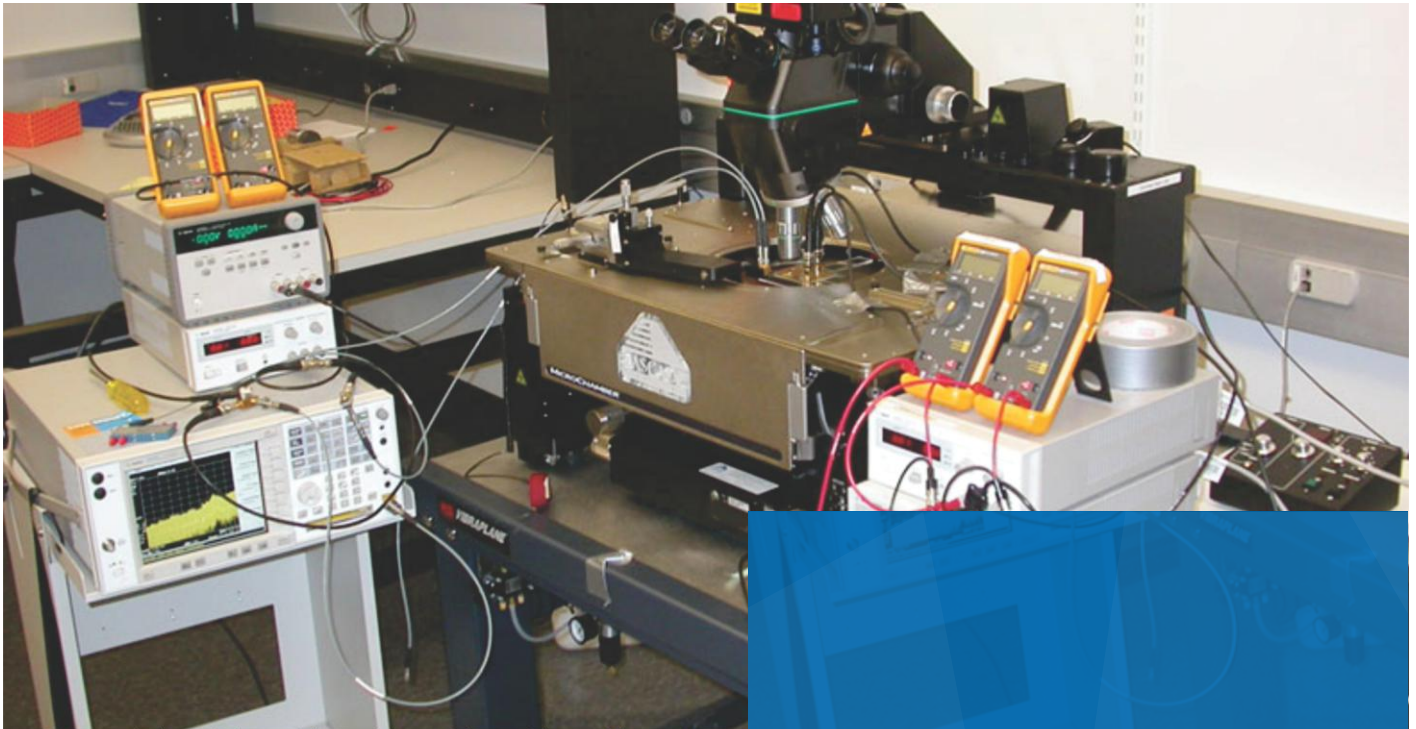
- Our mission is to give customized solution and to win valuable trust of customer by providing high quality industrial Electricals & Electronics products in the market.
- To continuously improve our standard & to serve something innovative to customer.

VALUES

- Passionate
- Innovative
- Ethical
- People Oriented

STEPON POWERMAC is a Sister Concern
Company of APEX ELECTRICALS





INFRASTRUCTURE

- Manufacturing Unit
(4000 Sq. Feet Area)
- R & D Wing
- Marketing Unit
- Warehousing & Packaging Unit
- Designing Unit

TEAM

- Designer & Engineers
- Quality Analysts
- Experienced R & D Personnel
- Administrative Staff
- 25 Skilled Workers

STEPON DIGITAL AUTOMATIC SERVO CONTROLLED VOLTAGE STABILIZER

500 KVA 3 - Phase Oil Cooled SCVS



FEATURES

- Designed To Correct Voltage
- Reduce Electricity Bills
- Unmatched Excellence
- Exceptionally Productive
- Extremely Rugged Construction
- Superior Design

Accessories / Options for Servo Stabilizer

- 1) Audio Alarm at extreme input voltage
- 2) Line noise and surge suppressor
- 3) Ultra isolation transformer at output
- 4) Healthy phase selector
- 5) Harmonic filter for non linear load
- 6) Input Out of range Protection
- 7) EMI / RFI filter
- 8) Phase sequence protection
- 9) Non- standard rate of correction
- 10) By pass feature

- Automatic voltage correction: It protects expensive equipment from the mains of voltage fluctuation.

That in turn leads to lowered cost of maintenance

- Better Efficiency with fewer production losses.
- Increase Productivity rate
- 100 % depreciation, as per income tax act.
- Electricity bills are reduced by approximately up to 20%.
- Servo controlled voltage stabilizer's average pay back period is merely about 18 Months.

175 KVA 3 - Phase Oil Cooled SCVS



Capacity in KVA	10 KVA to 100 KVA 3-phase Air cooled SCVS 30 KVA to 3000 KVA 3-phase Oil cooled SCVS
Input Voltage range	Standard Narrow range 360-460V, 380-480v Standard range 340-480V Standard Wide range 300-500 V Customized Range is also available
Output Voltage	380V, 400V, 415V (line to line) / specified by customer
Voltage Regulation	±1%
Frequency Range	47 HZ- 63 Hz
Efficiency	Better than 98%
Type of Servo Stabilizer	Suitable for Balance Et Unbalance Load and Voltage
Controlled Type	Digital-Micro controller Based display. Analog is also available
Rate of Correction	Up to 100 V/sec (line to line)
Servo Motor Drive	AC synchronous stepper motor
Waveform Distortion	Nil
Effect Of Load power	Nil
Response time	10 m seconds
Protections	Input low cut off protection / Input high cut off protection Output low cut off protection /Output high cut off protection Over load cut off protection / Single phase prevention Protection Short circuit protection
Fault Annunciation Panel LED's	Input Present, Input High, Input Low, Output Normal, Output High, Output Low, Overload
Output On time delay	Standard 10 seconds MI
Ambient	0-45°C RH up to 90%
Enclosure	IP-21, IP-55
Warranty	1 year no question asked warranty
Installation requirements to be provided by the customer	Input / output Cable and other accessories to be provide by the user.



**30 AMP 3 Phase Oil Cooled
Motorized Dimmer with Panel**

**150 AMP 3 Phase
Oil Cooled
Motorized Dimmer**

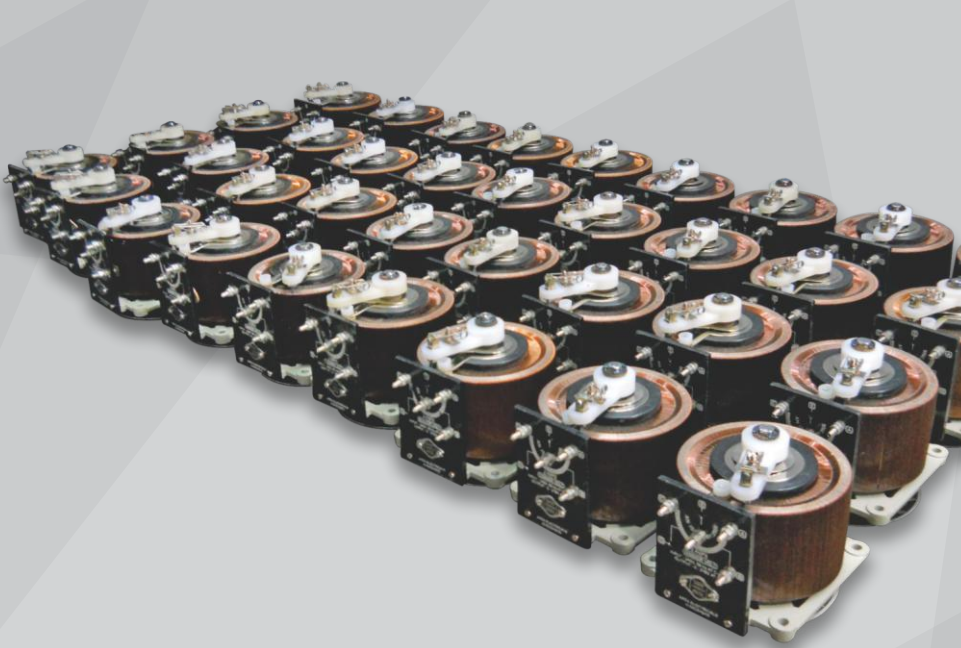


**600 AMP 3 Phase
Oil Cooled
Motorized Dimmer**



FEATURES

- Excellent Voltage Regulation & Efficiency.
- No Wave Form Distortion.
- Simple Compact And Easy To Handle.
- Rugged Mechanical Construction.
- Moderate Temperature Rise.
- Smooth Control Of Output Voltage.
- High Short Times Surge Current Capacity.
- Linear Output Voltage



Definition

Dimmer Volt AUTO TRANSFORMER & (Variac) is a continuously variable voltage auto transformer having a movable carbon tip, fixed to brush arm sliding on a silver plated commutator, Rotation of the brush arm by either manual or motor drive, delivers an output voltage from zero to or above line voltage.

Dimmer Volt type is 2 amp to upto 1600 amp

Amp	Phase	Type	Operated
2amp to 30 amp	1-Phase	Open & Closed	Hand Operated
2amp to 60 amp	1-Phase	Open	Motorized
2amp to 50 amp	2-Phase	Open, Closed & Oil Cooled	Hand Operated & Motorized
2amp to 50 amp	3-Phase	Open, Closed & Oil Cooled	Hand Operated & Motorized
4amp to 200 amp	3-Phase	Oil Cooled	Hand Operated & Motorized
4amp to 1600 amp	3-Phase	Oil Cooled	Motorized

ULTRA ISOLATION TRANSFORMERS AC SYNCHRONOUS STEPPER MOTOR

Ultra Isolation Transformers



FEATURES

- Provide high attenuation
- Can be used to encounter current loops
- Multiple shielding mechanisms to reduce low capacitance
- Designed to offer leakage inductance
- Developed with split winding construction

AC Synchronous Stepper Motor



FEATURES

- Two phase motor
- Instant stop
- Extremely rugged construction
- Innovative design
- Instant reversibility
- Built in overload protection - Motor stops, if overloaded, without burnout.
- Popular choice for precise positioning application.
- Built-in thermal overload protection.
- Starting, operating and stalling currents are identical.

TECHNICAL SPECIFICATION

- Stepon Powermac motors are usually operated from single phase source with R.C. phase shifting network.
- They are essentially two phase motors and do not require phase-shifting network when used with two-phase power supply.
- The speed of the motor is directly proportional to the applied frequency.
- The motor reaches its full synchronous speed typically within 5 to 25 milliseconds.
- The output torque of the motor is linearly proportional to the applied input voltage. For intermittent operation, this characteristic can be used to provide increased torque.
- The use of reduction gears with the motor provides increased torque and decreased speed. Output speed is decreased and torque increased by the factor of the gear ratio used. Gear losses are typically around 10% per mesh.
- Step-down gearing offers even greater gain in inertial load rating since the inertia moving capability increases by the square of the gear ratio.

**500 KVA 3-Phase
Oil Cooled SCVS**



**60 KVA 3-Phase
Air Cooled SCVS**



**175 KVA 3-Phase
Oil Cooled SCVS**



**30 KVA 3-Phase
Air Cooled SCVS**



**600 AMP 3 Phase
Oil Cooled Motorized Dimmer**



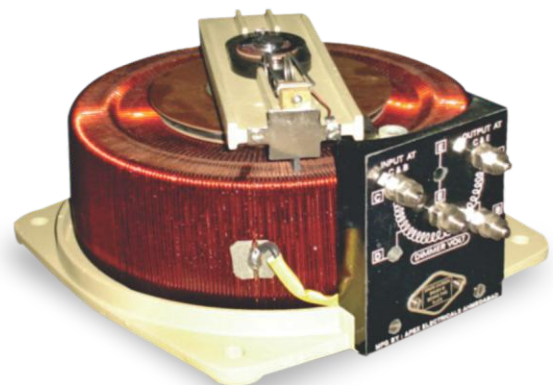
**300 AMP 3 Phase
Oil Cooled Motorized Dimmer**



**150 AMP 3 Phase
Oil Cooled Motorized Dimmer**



**15 AMP 1 Phase Open
Hand Operated Dimmer**



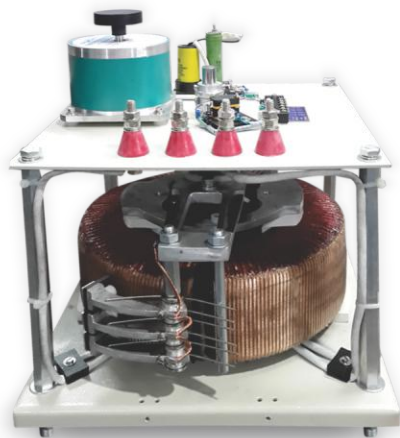
AC Synchronous Stepper Motor



Transformers



60 AMP 1 Phase Open Motorized Dimmer



Ultra Isolation Transformers



20 AMP 1 Phase Closed Hand Operated Dimmer



SERVO STABILIZER APPLICATION



Beverage Industry



Cement Plant



Cold Storage



Flour Mills Engineering

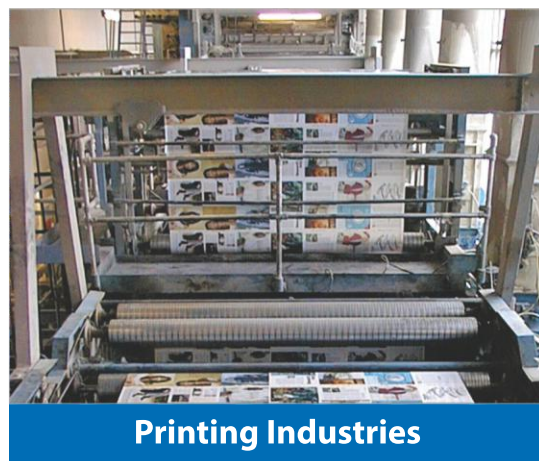
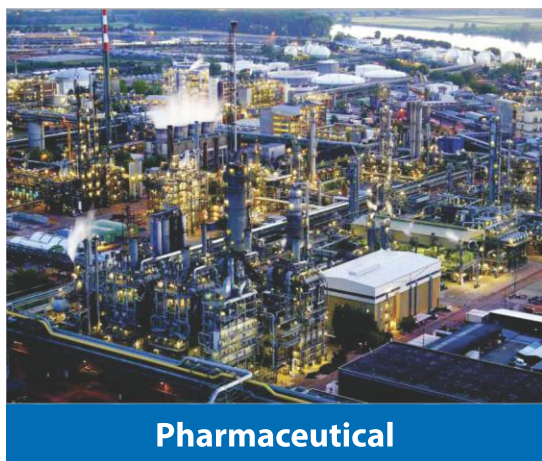


Food Processing



Injection Machine

SERVO STABILIZER APPLICATION



DIMMER APPLICATION

Dimmer Volt (Variac) (Auto Transformers)



Anodizing Industries



Control Panels



Electroplating Industries



Textile Machineries



Controler Light



Laboratories

OUR CLIENTS



CERTIFICATE



SWITCH TO SAFE POWER FOR EVER



Stepon Powermac (India) Pvt. Ltd.

40, Prathana Industrial Estate,
Near Yamuna Industrial Estate,
B/h. Shakriba Party Plot,
C.T.M, Ahmedabad - 380026,
Gujarat (INDIA).

P: +91 79 25857340
E: info@steponpowermac.com
W: www.steponpowermac.com

Marketing Department

M: +91 99252 07361
E: mktg@steponpowermac.com

Sales Department

M: +91 99252 07361
E: sales@steponpowermac.com

Export Department

M: +91 99252 07361
E: exports@steponpowermac.com