

25+

years of Engineered Legacy



Reliable Power
Solutions
For a
Smarter
Tomorrow





ABOUT US

Established in 1998, Servotron Electrical and Electronics has positioned itself as one of India's most trusted and dependable providers of electrical solutions. Recognized for its relentless focus on quality and innovation, the company has earned its place as a leader in the industry. Serving industries, institutions, and residences alike, Servotron is synonymous with reliability, adaptability, and precision.

Servotron's tagline, "Har Kadam Aapke Saath" (At Every Step With You), reflects the core philosophy of the organization. It encapsulates the company's commitment to providing unwavering support and dependable solutions tailored to the unique needs of every client. Over the years, Servotron has not only solved complex electrical challenges but has also empowered its customers with solutions that enhance efficiency, streamline operations, and ensure peace of Mind

With a focus on trust, long-lasting relationships, and a forward thinking approach, Servotron has built a legacy of excellence. This legacy is underpinned by a passion for continuous improvement and a dedication to meeting the highest standards in every solution it provides.

OUR VISION

To be India's most dependable provider of high-quality electrical solutions, enabling customers to thrive through innovation, trust, and unparalleled reliability.

OUR MISSION

To deliver tailored electrical solutions that address the unique needs of our customers, while ensuring unmatched quality, dependability, and satisfaction at every step of the journey.



Dimmer Type Servo Voltage Stabilizer



The Servotron **Dimmer-Type Servo Voltage Stabilizer** is engineered to provide highly accurate voltage correction for sensitive and heavy-duty equipment. Utilizing a motor-driven dimmer (variable auto transformer) mechanism, it ensures smooth and stable output voltage by regulating input fluctuations. Built with superior components, it guarantees high reliability, fast response time, and enhanced protection, safeguarding equipment from voltage instability and operational hazards. Built with superior components, it guarantees high reliability, fast response time, and enhanced protection, safeguarding equipment from voltage instability and operational hazards.

Features

- Precision Dimmer Control
- Rapid Voltage Correction
- 100% Pure Copper Winding
- Ultra-Wide Voltage Range
- True Digital Monitoring
- Comprehensive Multi-Protection

Technical Specification

Parameter	Specification
Input Voltage Range	170V–270V (Single Phase) / 340V–470V (Three Phase)
Output Voltage	230V \pm 1% (Single Phase) / 400V \pm 1% (Three Phase)
Efficiency	> 95%
Frequency	47–53 Hz
Available KVA Ratings	2 KVA to 2000 KVA
Phase Options	Single Phase / Three Phase
Protection Features	Overload, Short Circuit, Overvoltage, Phase Reversal, Phase Failure
Customization	Customizable as per customer requirement

Application

Industrial Automation Systems	Medical Equipment
Printing Machinery	Textile Industries
Telecommunication Setups	IT Data Centers
Residential/Commercial Buildings	Laboratories and Testing Facilities

PCC Panel

(Power Control Center Panel)



Servotron **PCC (Power Control Center)** Panels are designed for centralized control and protection of electrical power distribution systems in industrial, commercial, and infrastructure projects. These panels manage multiple feeders, motor loads, and lighting circuits, ensuring efficient power distribution, monitoring, and complete system protection. Built with robust construction, high-grade switchgear, and intelligent metering options, Servotron PCC Panels guarantee high reliability, operational safety, and optimized electrical network performance under diverse load conditions.

Features

- Robust Modular Construction
- Intelligent Power Management
- Comprehensive Safety Features
- High Short-Circuit Withstand Strength
- Flexible Design Configuration
- Quality Powder Coated Finish

Technical Specification

Parameter	Specification
Rated Voltage	415V AC, 3 Phase, 50 Hz
System Voltage	Up to 690V (optional)
Rated Current	Up to 6300A
Short-Circuit Withstand Capacity	50kA / 65kA for 1 Second
Busbar Material	Electrolytic Copper / Aluminium
Control Voltage	110V / 230V AC or 24V / 110V DC

Application

Industrial Power Distribution Networks
Manufacturing Plants and Assembly Lines
Commercial Buildings and Shopping Complexes
Hospitals, Data Centers, and IT Parks
Infrastructure and Utility Projects
Power Plants and Substations

Servotron **APFC (Automatic Power Factor Control)** Panels are designed to maintain the desired power factor automatically by intelligent switching of capacitor banks based on the load requirements. By improving the power factor, these panels reduce penalties from utilities, enhance energy efficiency, and optimize the usage of electrical power. Engineered with high-quality components, advanced microprocessor-based controllers, and robust construction, Servotron APFC Panels offer reliable, efficient, and cost-effective power management solutions for modern industries and commercial establishments.

Features

- Automatic Power Factor Correction
- Stepwise Capacitor Switching
- Energy Saving and Reduced Penalties
- Microprocessor-Based Controller
- Modular, Expandable Design
- Overload and Overvoltage Protection

Technical Specification

Parameter	Specification
Rated Voltage	415V AC, 3 Phase, 50 Hz
System Voltage	Up to 690V (on request)
Rated Capacity	10 kVAR to 1200 kVAR (Customizable)
Controller Type	Microprocessor/Digital APFC Relays
Capacitor Type	Heavy Duty APP / MPP Self-Healing Capacitors
Protection Features	Overcurrent, Overvoltage, Harmonics Filter (Optional), Capacitor Failure Protection
Power Factor Range	0.95 Lagging to Unity

Application

Industrial Manufacturing Plants	Commercial Complexes and Malls
Hospitals and Healthcare Facilities	Data Centers and IT Parks
Textile Mills and Food Processing Units	Printing Presses and Paper Mills

APFC Panel
(Automatic Power Factor Control Panel)





Rolling Contact Linear Type **Servo** **Voltage Stabilizer**

The Servotron **Rolling Carbon Type Linear Servo Voltage Stabilizers** are designed to deliver ultra-smooth, precise voltage regulation by using a rolling carbon brush system over a linear variable transformer. This advanced design ensures zero waveform distortion, faster correction speed, and enhanced reliability even under fluctuating power conditions. Built for industrial and commercial critical applications, they offer superior stability, long operational life, and low maintenance needs compared to conventional stabilizers.

Features

- Automatic Power Factor Correction
- Stepwise Capacitor Switching
- Energy Saving and Reduced Penalties
- Microprocessor-Based Controller
- Modular, Expandable Design
- Overload and Overvoltage Protection

Technical Specification

Parameter	Specification
Input Voltage Range	160V–270V (Single Phase) / 300V–470V (Three Phase)
Output Voltage	230V \pm 1% (Single Phase) / 400V \pm 1% (Three Phase)
Technology	Rolling Carbon Linear Servo System
Correction Speed	35–50 Volts per Second
Efficiency	> 98%
Frequency	47–53 Hz
Available KVA Ratings	UPTO 2000 KVA
Protection Features	Overload, Overvoltage, Phase Reversal, Short Circuit

Application

CNC Machines
Medical Imaging Equipment
Textile Manufacturing Units
Data Processing Centers
Printing and Packaging Machinery
Telecom Installations

Distribution Transformer



Servotron **Distribution Transformers** are designed for efficient voltage transformation and reliable power distribution from high-voltage networks to low-voltage end users. Built with high-grade materials and precision engineering, these transformers ensure minimal energy losses, excellent thermal performance, and robust mechanical strength. Suitable for utilities, industries, commercial complexes, and infrastructure projects, they guarantee stable power supply and long service life with minimal maintenance requirements.

Features

- High Efficiency Design
- Advanced Cooling System
- 100% Copper Winding
- Robust Construction
- Low Noise Operation
- High Short-Circuit Strength

Technical Specification

Parameter	Specification
Type	Oil-immersed, ONAN cooled
Rated Capacity	25 KVA to 2500 KVA (Customizable)
Primary Voltage	11 kV / 22 kV / 33 kV
Secondary Voltage	433 V / 415 V
Frequency	50 Hz
Protection Devices	Buchholz Relay, PRV, OLTC (Optional), Breather, Oil Level Indicator

Application

Industrial Units and Manufacturing Plants
Commercial Complexes and Malls
Hospitals and Healthcare Centers
Educational Institutions
IT Parks and Data Centers
Utility Substations and Urban Power Distribution
Residential Townships and Housing Societies
Renewable Energy (Solar/Wind Farm Power Evacuation Systems)

Servotron **Isolation and Ultra Isolation Transformers** are engineered to provide electrical isolation between input and output circuits, eliminating noise, transients, and grounding issues. They protect sensitive equipment from electrical disturbances, surges, and spikes by creating an isolated barrier, ensuring enhanced safety, improved performance, and uninterrupted operation. Ultra Isolation Transformers offer an additional layer of noise attenuation and higher isolation levels for highly critical applications.

Features

- High Common Mode Noise Rejection
- Low Capacitive Coupling
- Superior Copper Winding
- Complete Electrical Isolation
- Thermal and Overload Protection
- Robust Construction

Technical Specification

Parameter	Specification
Type	Isolation / Ultra Isolation Transformer
Input Voltage	230V / 415V (or customized)
Output Voltage	230V / 415V (or customized)
Frequency	50 Hz
Voltage Regulation	±3% (Approximate)
Insulation Resistance	> 1000 Mega Ohms
Protection Devices	Overload Protection, Earth Shield, Thermal Trip

Application

Telecommunication and Broadcasting Systems
Defense and Research Installations
Laboratory Testing Equipment
IT Infrastructure and Data Centers
Medical Equipment
UPS and Sensitive Server Loads

Isolation / Ultra Isolation Transformer



Servotron **HT Automatic Voltage Regulators (HT AVR)** are designed to stabilize and regulate high-tension (HT) voltages at the incoming supply before distribution, ensuring consistent voltage levels to protect critical and heavy-duty industrial equipment. Built with precision control technology and rugged construction, Servotron HT AVR offers fast correction speed, high reliability, and superior performance, even under wide voltage fluctuations, making them ideal for industries requiring uninterrupted and stable HT power.

Features

- High-Tension Voltage Regulation
- Fast Correction Speed
- Oil Cooled Construction
- Integrated Protection System
- Heavy-Duty Copper Winding
- Rugged Weatherproof Design

Technical Specification

Parameter	Specification
Input Voltage	11 kV / 22 kV / 33 kV (as per requirement)
Output Voltage	11 kV \pm 1% / 22 kV \pm 1% / 33 kV \pm 1%
Regulation Range	\pm 10% to \pm 30% (Customized)
Technology	On-Load Tap Changer (OLTC) with Buck-Boost Transformer
Correction Speed	

HT Automatic Voltage Regulator (HT AVR)



Application

Steel Plants and Rolling Mills
Cement and Mining Industries
Paper and Pulp Industries
Airports, Metro Stations, and Infrastructure Projects
High-Rise Commercial Complexes
Pharmaceutical and Process Industries



CVT (Constant Voltage Transformer)

Servotron Constant Voltage Transformers (CVTs) are specially designed to deliver a highly stable, regulated output voltage despite wide fluctuations in input voltage and load variations. Using ferroresonant technology, CVTs provide built-in protection against spikes, surges, and noise, ensuring continuous, distortion-free power supply to critical and sensitive electronic equipment. With zero switching time and inherent short-circuit protection.

Features

- Ferroresonant Technology
- Instantaneous Voltage Correction
- Built-in Surge and Spike Suppression
- Excellent Line Noise Filtering
- Short-Circuit and Overload Protection
- Simple, Maintenance-Free Operation

Technical Specification

Parameter	Specification
Technology	Ferroresonant Transformer-Based
Input Voltage	170V–270V AC (Standard)
Output Voltage	220V \pm 1% (or 230V \pm 1% Customizable)
Frequency	50 Hz \pm 5%
Power Capacity Range	500 VA to 10 kVA
Efficiency	> 90% at Full Load

Application

Medical Diagnostic and Laboratory Instruments
CNC Machines and Automated Industrial Equipment
Computers, Servers, and Networking Equipment
Testing and Measuring Devices
Telecommunication Systems and Exchanges
Petrol pumps



Servotron **UPS (Uninterruptible Power Supply)** systems are engineered to provide continuous, reliable, and clean power to critical equipment during power failures, voltage fluctuations, or disturbances. Built with high-efficiency inverter technology, robust battery management, and intelligent monitoring, Servotron UPS solutions ensure zero downtime, prevent data loss, and protect sensitive electronic devices. Ideal for industrial, commercial, healthcare, and IT sectors, our UPS systems guarantee seamless power backup and long-term operational reliability.



Features

- High Efficiency Design
- Advanced LCD/Digital Display
- Comprehensive Protection Systems
- Wide Input Voltage Range
- Low Maintenance Requirements
- Enhanced Equipment Lifespan

Technical Specification

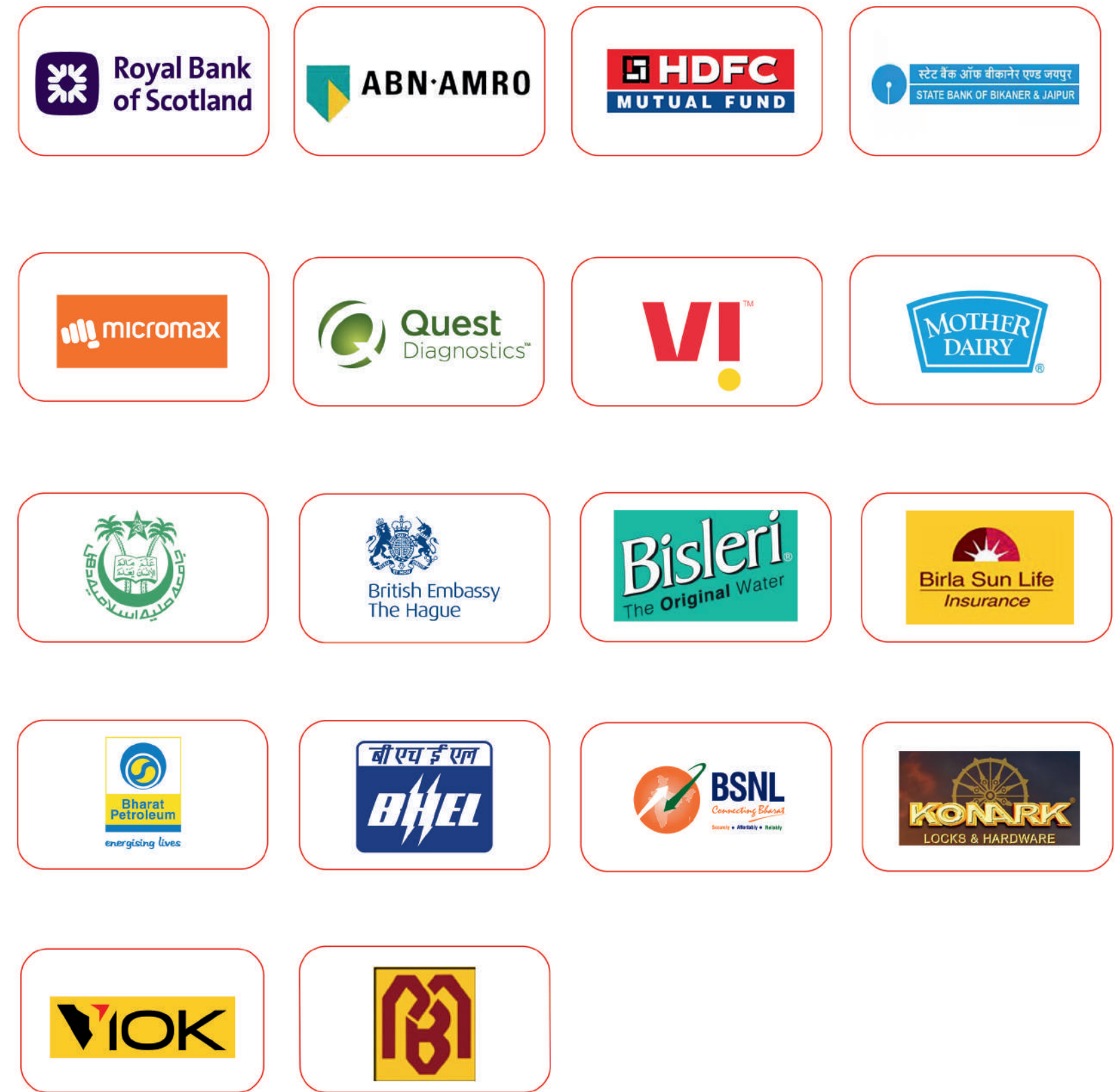
Parameter	Specification
UPS Type	Online Double Conversion
Rated Voltage	230V (Single Phase) / 415V (Three Phase)
Rated Power Capacity	1 kVA to Customizable
Input Voltage Range	160V to 280V (Single Phase) / 300V to 480V (Three Phase)
Output Voltage Regulation	±1%
Frequency	50 Hz / 60 Hz (Auto-Sensing)
Battery Backup Time	10 mins to 4 Hours (Customizable)
Efficiency	> 90%
Protection Features	Overload, Short Circuit, Surge, Deep Discharge, Phase Failure

Application

Data Centers and Server Rooms
Hospitals and Healthcare Facilities
Educational Institutions and Research Labs
Industrial Automation and Process Control
Telecommunication Towers and Exchanges
Banking and Financial Institutions

UPS (Uninterruptible Power Supply)

Some of our prestigious clients



25+ years of Engineered Legacy

We have successfully performed various Third Party Inspection through the best and reputed Inspection & Testing Agencies as following:



**Aaditech Test and
Calibration Lab LLP**



**Akshat Test lab &
Calibration services**



**Bharat Test
House**



Our Product Range

- Dimmer Type Servo Voltage Stabilizer
- APFC Panel (Automatic Power Factor Control Panel)
- Rolling Contact Linear Type Servo Voltage Stabilizer
- Distribution Transformer
- Isolation / Ultra Isolation Transformer
- HT Automatic Voltage Regulator (HT AVR)
- CVT (Constant Voltage Transformer)
- UPS (Uninterruptible Power Supply)
- PCC Panel (Power Control Center Panel)

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