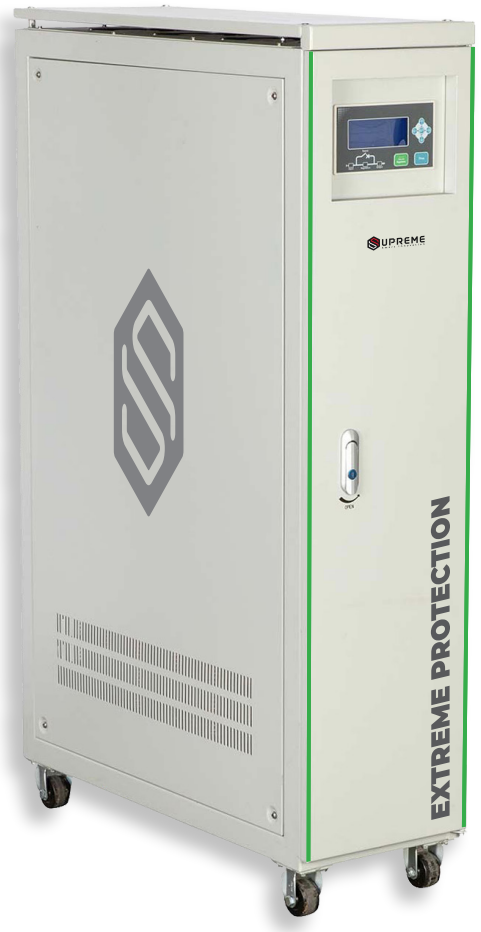
EX300 SERIES - EXTREME POWER PROTECTION

10-5000KVA (Single Phase / Three Phase)



Fewer failures, better equipment protection, more uptime and lower energy costs across a wide range of industries and applications

Features & Benefits

- Maintenance free roller type carbon
- brush Unique compact dimension
- Independent phase regulation
- Voltage vector control allowing overload
- High efficiency, up to 98%(full load) High
- Mean Time Between Failure(MTBF)
- Completed protections

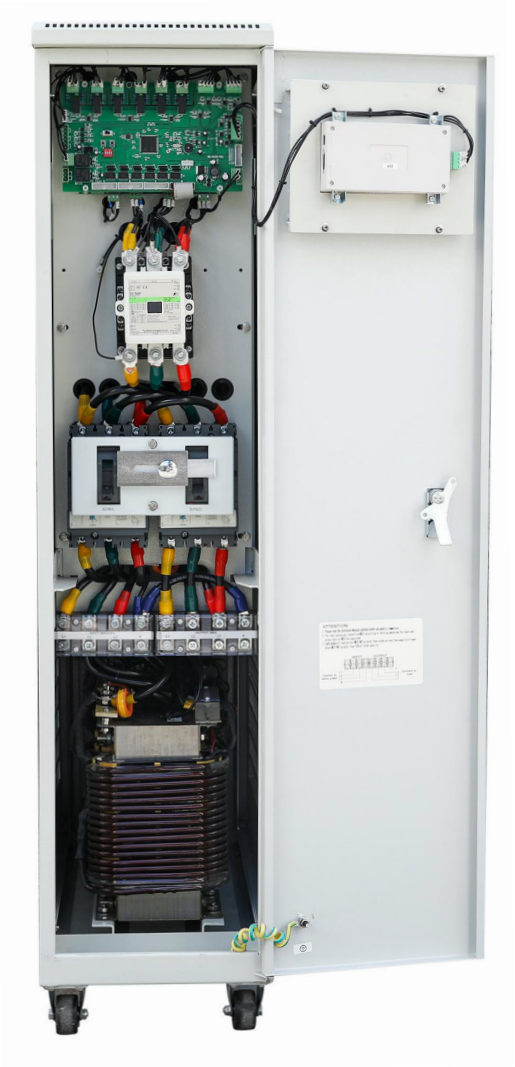
Applications

- Commercial Buildings
- Industrial Machinery and equipment
- Automated manufacturing systems
- Medical & Scientific Equipment
- Elevators and escalators
- Military installations
- Aerospace systems

Sleek Design	The sleek, modern design fits seamlessly in any home or office, with a minimalistic aesthetic that blends in with any decor.
Reduced Shipping Costs	Smart solution to problems related to handling/shipping of bulky loads.
Reduced Footprint	Modern design is designed to enhance efficiency and use very minimal spaces
Reduced Maintenance Costs	Easy and reduced cost of maintenance
Easier Handling	Excellent solution avoiding the use of expensive lifting equipment and building of special openings to access the installation room.

Applications that require

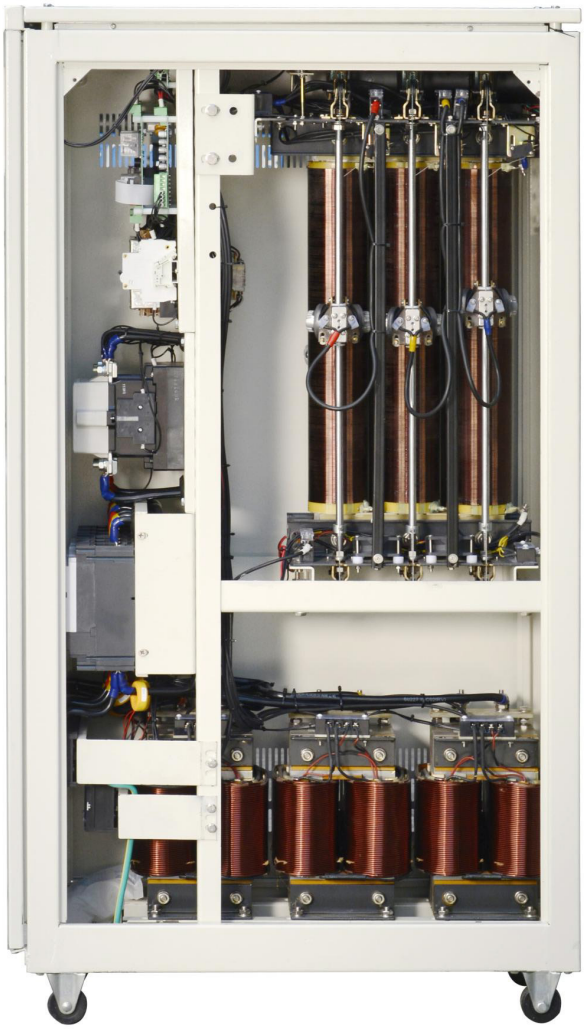
- **High reliability** - They can be installed in areas with difficult access, subject to critical environmental conditions due to cold, high temperatures, humidity, atmospheric discharges.
- **Capability to compensate wide voltage variations -** This is a typical requirement of equipment installed in areas that are far from the distribution transformer substation and in developing countries.
- **High precision of the stabilized voltage -** Ideal condition for industrial use, Hospitals, Financial Institutions, Airports, Commercial buildings and broadcastingequipment.
- **Voltage stabilization of high power with high inrush currents -** like e.g. motors, air conditioners, compressors, pumps;
- **Very simple and minimal maintenance -** This reduces the overall cost of ownership
- **Wide range of models -** According to the user requirement and conditions, the voltage stabilizers can be customized to meet the specific needs.



INDEPENDENT REGULATION OF EACH PHASE

Supreme voltage stabilizer is designed to deliver the declared power permanently (24/7) under the worst operating conditions, i.e. at full load, at minimum input voltage and max input current and at the declared ambient temperature.

Independent phase regulation is used to control the voltage and phase of alternating current (AC) power in electrical systems, such as industrial machines, buildings, and other applications. It is essential and it helps maintain a steady supply of electricity and ensures that the system runs as efficiently and safely as possible. It works by utilizing sophisticated electronic circuitry and a precise pitch control system to ensure that voltage levels remain stable and constant in a variety of environments.

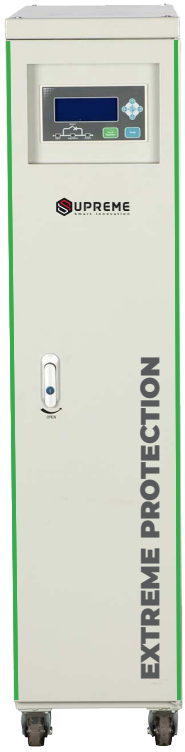


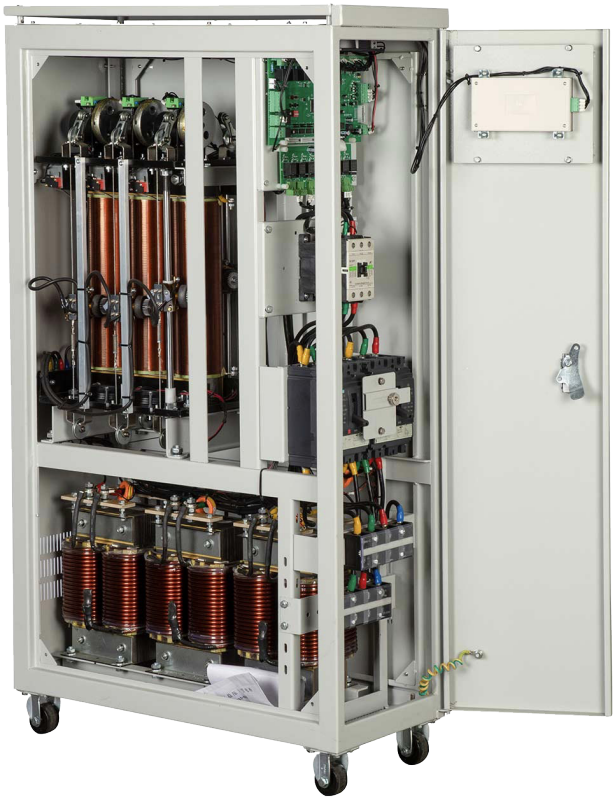
Normal Functions

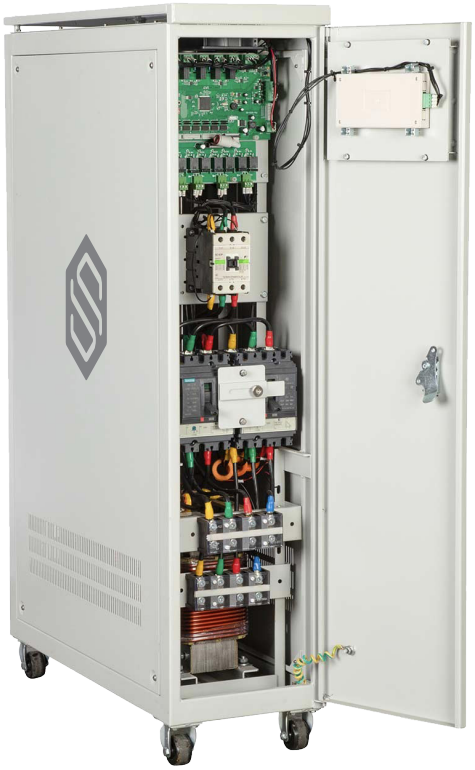
- Safe start
- Manual bypass
- Indicating alarms
- Short-circuit protection
- Multifunction protection
- Over voltage protection
- Wrong phase sequence protection
- Phase failure protection
- Overload protection
- Security password
- RS23/485 interface

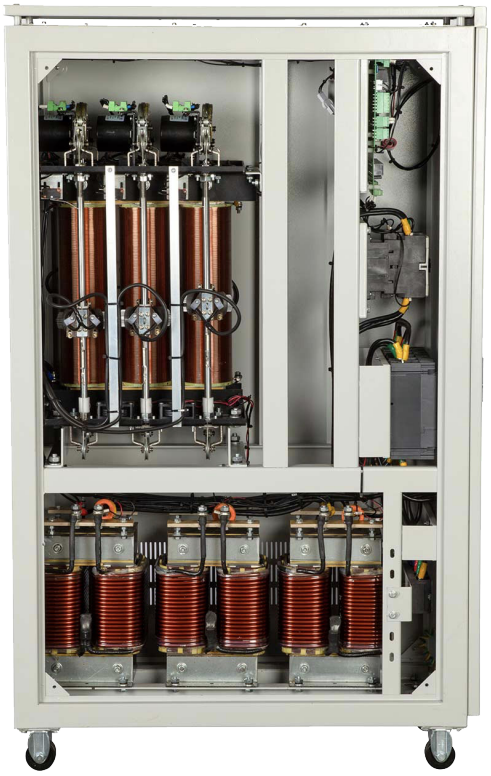
Optional Fittings

- Auto bypass
- Isolation transformer
- Surge protector (SPD)
- GPRS / Wifi communication
- Centralized monitoring
- Touch screen HMI


SUPREME
EXTREME PROTECTION







SPECIFICATIONS

INPUT	
Input voltage	220/380V, 230/400V, 240/415V system, other voltage system can be customized
Input Range	±20% (±15% ~ ±50% can be customized)
Input Frequency	4V
OUTPUT	
Output Voltage	220/380V, 230/400V, 240/415V system, other voltage system can be customized
Output Accuracy	Selectable: ±1% to ± 5%, Factory preset: ±2%
Waveform Distortion	Nil
Power Factor	0.8~1
Efficiency	≥98%(full load)
Overload Capacity	200% Over Load 10secs, 150% Over Load 60secs, 120% Over Load 10 mins
GENERAL	
Working Principle	Servo motor, microprocessor controlled, full automatic
Insulation Class of Transformer	H class
Method of Voltage Regulation	Three phase independent regulation
Indicators	Voltage, Current, Power, Parameters setting, Failure information
Cooling	Natural/forced air
Protection Level	IP21(indoor), IP54(outdoor)
Electrical Safety	CE equivalent
ENVIRONMENTAL	
Working Temperature	-20 °C to +50 °C
Altitude	<1000m
Relative Humidity	<90%
Noise	<55dB
FUNCTIONS	
Normal Functions	Malfunction protection, Short-circuit protection, Lack of phase protection, Wrong sequence protection, Over voltage / Under voltage protection, Overload protection, Safe start, Manual bypass, Indicating alarms, Security password, RS232/485 interface
Optional Functions	Isolation transformer, Surge protector(SPD), GPRS or Wifi communication, Auto bypass, Centralized monitoring, Touch screen HMI

DIMENSIONS

Model	Dimension (W×D×H)mm	Model	Dimension (W×D×H)mm	Model	Dimension (W×D×H)mm
EX310-10KVA	280×700×1270	EX350-50KVA	280×700×1270	EX310-15KVA	280×700×1270
EX310-10KVA	280×700×1270	EX350-50KVA	280×700×1270	EX310-15KVA	280×700×1270
EX310-10KVA	280×700×1270	EX350-50KVA	320×850×1470	EX310-15KVA	600×1300×2000
EX310-10KVA	280×700×1270	EX350-50KVA	320×850×1470	EX310-15KVA	800×1800×1900
EX310-10KVA	280×700×1270	EX350-50KVA	400×1000×1670	EX310-15KVA	1000×1800×1900
EX310-10KVA	280×700×1270	EX350-50KVA	400×1000×1670	EX310-15KVA	1000×1800×1900
EX310-10KVA	280×700×1270	EX350-50KVA	500×1150×1870	EX310-15KVA	1000×1800×1900 2*Case
EX310-10KVA	320×850×1470	EX350-50KVA	500×1150×1870	EX310-15KVA	1000×1800×1900 2*Case
EX310-10KVA	320×850×1470	EX350-50KVA	600×1300×2000	EX310-15KVA	1000×1800×1900 3*Case
EX310-10KVA	320×850×1470	EX350-50KVA	600×1300×2000	EX310-15KVA	1000×1800×1900 4*Case