

10kVA till 4000kVA Voltage Stabilizer / Regulator



- Electronic Controlled Thyristor Static Voltage Stabilization Technology
- Each Phase Automatically Controlled, Perfect for Unbalanced Load
- Optional 50Hz / 60Hz / 400Hz Input & Output & Fast Response
- Easy Give Service and Updates and 15 Years Life Time Design
- Fresh Air Cooled or Optional Air Conditioner or Oil Cooled
- Optional IGBT PWM Rectifier 3 Level Inverter Technology
- Input 0.99PF & 1.0PF Possible Up to 500V/S Regulation
- Industrial & Commercial & Factory & Marine Application
- Perfect Sinus Output & Precisely Electrical Protection
- Small Dimensions Footprint & Easy Maintenance
- Wide Input Voltage Range & Optional Dual Input
- Perfect Generator Compatibility & Auto Soft-start
- Newest Technology High Efficient Till %98
- Optional Conventional Servo Technology
- Optional Project & Client Oriented New Designs
- Optional Controllable Output Voltage from Screen 208V till 520V
- Optional SNMP & Dry Contact & Modbus & GSM & Network Manager
- Optional N+1 easy to build various redundancy till 8+1 & Load Sharing
- Optional Battery Connection Possibility & Optional Isolation Transformer
- Optional IP20 till IP65, Indoor or with Airconditioner & Cabinet or Container



Flour Factory



Hospitals



Cement Factory



Technical Advantages of ST-GER Voltage Stabilizer / Regulator

◉ The ST-GER Series An Advanced Stabilization Technology

ST-GER Series is a electronic board controlled thyristor technology, the new generation fully digital controlled voltage stabilizer. It is designed with high efficiency and robust comply high availability voltage and power needs of a wide variety of critical applications and delivers advanced power solution with low cost of ownership.

◉ High Performance Power Protection Designed for Maximum Efficiency and Flexibility

Equipped with its new thyristor and high efficient transformer the technology series keeps your critical loads protected while its space-saving compact design and front access for maintenance successfully reduce mean time to repair (MTTR).

Thanks to the wide variety of accessories and options ST-GER Series presents maximum flexibility advantage to users and optimizes total cost of ownership for your facilities.

◉ Power Electronic Controlled Thyristor

Thyristor technology with fast controlled sensors and output voltage stabilization. The voltage correction technology provides input power factor is 1 and keeps the current total harmonic without any line disturbance.

◉ No Input Current THD Disturbance

Our Stabilizers avoids the disturbance to connected loads

◉ Digital Control System

All of the control functions for voltage stabilizer for Industrial series converts the including voltage-on, start-up control, input stage power factor control, If needed the solution can be Given as optional:

- Servo Technology
- Double Conversion Solution

◉ High Protection for the Loads

ST-GER Static Voltage Stabilizer has High Voltage, Low Voltage, Over-temperature, Overload, Short Circuit and Phase Break protections for Its own operating safety and also for all electronic devices in your business to work safely. There is a working safety. It is equipped with thermo-magnetic fuses in its inputs and outputs.

◉ High Efficiency & Low Total Cost of Ownership

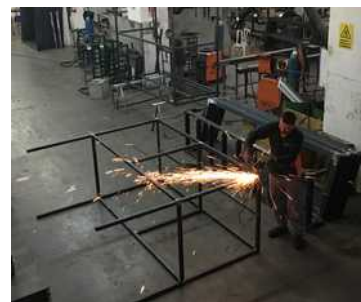
With its high efficiency up to 98% ST Series Converter consumes less energy to supply the loads. Thanks to this high efficiency rate, the percentage of energy that is produced as heat is reduced to a minimum. As a result of decreased heat emission users can reduce their electricity usage and air conditioning requirements.

◉ Flexibility of The Stabilizer Optional

ST-Ger is compatible with wide range of application. Flexibility achieved through many choices, if needed battery, single or multi-unit configuration, accessories and options.

Isolation transformers to vary neutral connectivity in the event of separate power sources or for galvanic isolation between input and output.

Customized dimensions if needed for your projects till Outdoor IP33 IP44 or with air conditioner IP65.



Technical Advantages of ST-GER Voltage Stabilizer / Regulator

Auto Restart

When voltage stabilizer will reach its of mode without energy, So the stabilizer will shut down.

The stabilizer will automatically restart and enable output power:

- After utility power is restored
- After the "Auto Start Delay Time" is expired (the default delay is 5 minutes) .



EPO(Emergency Power Off)

EPO function is designed to switch off the converter in emergency conditions (fire, flood, etc.). The system will turn off the thyristors, inverter and will stop powering the load immediately.



Reverse Energy for Regenerative Loads

The ST-Industrial stabilizer can be used with regenerative loads, such as synchronous motors. The regenerative loads pump the energy back to mains, traditional systems burn this feedback energy and this causes lower efficiency. ST-GER Series with Thyristor technolog are able to absorb intermittent load power. Additionally, this reverse power tolerance permits execution of important system operations like closed transition transfers of the stabilizer load directly to an engine generator source if connected.

Advanced User Interface

The Converter has user-friendly LCD display. The display that provides operating information in different languages. Thanks to this advanced LCD display all parameters of working device can be monitored and controlled. Stabilizer is capable of used with modbus monitoring or external screen



Optional Parallel Operation

ST-GER stabilizer industrial series features easy and simple scalability and redundancy. It is ready to grow with your business demands. Different power rated units and any number of stabilizers as converter can be connected in parallel. So the power can be increased.

The stabilizer converter's can be connected in parallel or one Solution waits and the other one to increase total capacity of the System. If one of the devices goes out of order, the other machine will take over the load immediately or as optional as well the critical loads are transferred to loads with control to other converters.

Optional Parallel Operation Features :

- Internal standard parallel microprocessor for all models.
- Up to 16 units parallel able as customized.
- Parallel connection with ring cable
- Auto-sensing disconnected parallel cable
- Equal current share with DSP control
- Optional power upgrade with 30milisecond interruption or without any interruption
- All parallel systems can be controlled from the front panel of one unit
- Full synchronization of parallel units
- Isolated parallel operation card
- The power increasing solution with transfer contactors

