

**AUTOMATIC  
VOLTAGE  
STABILIZER  
THREE PHASE**

# Star Trans

Transforming Technology

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Automatic Voltage Stabilizer

Three Phase ST Series : 10-5000KVA

Transforming  
Technology



Since 1975

[www.startranseg.com](http://www.startranseg.com)



Better equipment protection, fewer failures, more uptime and lower energy costs across a wide range of industries and applications.

Three Phase SBW series: 10-5000KVA



## Beautiful Inside and Out

Beautiful and slim exterior with advanced industrial workmanship.

Compact interior structure compliance with international standard.



## Patent Structure

long lifetime roller bursh

Patent three phase individual voltage regulator, which realizing the whole unit 2/3 smaller than traditional one.



- Patent maintenance free roller type carbon brush
- Individual regulation with unique small dimension



- Start up delay to prevent over current inrush
- Indoor or outdoor version on request



- Use advanced digital control board
- High Performance ARM chip control



- Wheels mounted for easy installation
- Maximum capacity up to 5000KVA



- The temperature of your rack is always under control
- High Mean time Between Failure(MTBF)



- Reliable and low noise AC servo motors
- Extremely wide voltage regulation range

## Technical Specifications

Input Voltage	The other input voltage range and rated voltage can be custom designed.
Output Voltage	three phase: 380V ± 1-5%
Supply Frequency	50/60Hz
Insulation Resistance	≥2M Ω
Voltage Regulation Mode	Independent phase regulation for three phase
Waveform Distortion	nil
Insulation Class	H class
Method of Voltage Regulation	Regulation transformer with servomotor
Insulated Strength	Three phase: 2500V/1 min without puncture
Efficiency	>97% on full load
Overload Rating	Withstand 200% overload in short time
Protection class	IP20(indoor), outdoor type on request
Electrical safety	CE equivalent
Operational Temperature	-20°C to +45°C
Functions	Power-on style, Malfunction protection, Short-circuit protection, Lack of phase protection, Over voltage shutdown, Under voltage shutdown, Safe start

## Control Board

High performance ARM chip  
Central control module based on DSP, realize high-speed and high-performance control.

With SMT technology, the reliability and supply of PCB will be highly improved.



## Digital display

Man-machine interface enable users to know the unit condition clearly.

Support the standard Modbus communication protocol, support remote control with GPRS.



## Complete Protection

Fully considering the function needs under various operating conditions for both loads and unit itself.

Malfunction protection, Short-circuit protection, Lack of phase protection, Over voltage protection, Under voltage protection, Safe start.



## Remote Control

Install special background monitoring software in computer terminal can realize the remote operation and control.

