

# 3 ~ 2000 kVA Static Voltage Stabilizer



## GENERAL FEATURES

Advanced Technology  
High Reliability with Full Digital Microprocessor Control  
Wide Power Options in Mono Phase and Three Phase Systems  
Wide Input Voltage Range  
True RMS Measurement and Feedback , Control  
Best in Class with 5000 V/s Regulation Speed  
Regulation in 1 period with 20 ms response time  
EMI / RFI Filter  
Overload, Over Voltage, Low Voltage Protections  
Lightning Protection  
Short Circuit Protection  
Manuel By-Pass  
Automatic Operation in Abnormal Conditions  
Independent Phase Operation  
High Performance Even on 100% Unbalanced Load  
Easy Monitoring of All Operation Data with LCD Display  
Silent Operation, High Efficiency and Sensibility  
Modular, Ergonomic Design

**100% Made in TURKEY**  
**Environmental Design**  
**Small Dimensions, Silent Operation**  
**Easy Installation/Maintenance and Service**  
**Low Installation and Operational Costs**  
**10 Years Spare Part Warranty**  
**7/24 Technical Service and Customer Services**

## OPTIONAL FEATURES

Custom Design and Production for Client's Need  
Remote Monitoring and Management Options

## STANDARDS

CE, ISO 9001:2008

*Uninterrupted Power  
Uninterrupted Service*



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**Ctrltech**  
Power, Cooling & Monitoring

# Static Voltage Stabilizers

## SUPERIOR FEATURES

Microprocessor controlled -SVR regulates the input disturbances in milliseconds by means of its advanced design.

It doesn't include any moving parts so that no maintenance or replacement needed.

High performance microprocessor control and state of the art of the electronics feedback algorithm delivers the best protection when high/low voltage, over current, over temperature and short circuit occurs.

Standard EMI&RFI filters provides best protection against electrical disturbances for your load

Gives the best response for the loads with high inrush currents via the semiconductor components which are resistant to high currents about 100% of the nominal current in 20 ms.

SVR transfers the power in zeros so that it delivers no harmonics to the load by means of static components with Step-Up / Step-Down.

## TECHNICAL SPECIFICATIONS

Model	SVR	
Phase	1 Phase	3 Phases
Power	3 kVA ~ 45 kVA	10 kVA ~ 3000 kVA
<b>INPUT</b>		
Operating Voltage Range	130 - 270 VAC	210 - 475 VAC
Regulation Voltage Range	165 - 255 VAC	285 - 440 VAC
Frequency	50 Hz $\pm$ 5%	
Input Protection	Over Current Thermal Fuse, Surge Protection	
<b>OUTPUT</b>		
Voltage	220 VAC RMS $\pm$ 1% ~ 3%	380 VAC RMS $\pm$ 1% ~ 3%
Overload Operation	10 seconds at 200% load	
Regulation Speed	5000 V / s	
Response Time	~ 20 ms. ( 165 VAC - 255 VAC )	
Output Protection	Short Circuit, Overload, Turning OFF of output over the Output Set Voltage	
<b>GENERAL</b>		
Technology	RISC Microprocessor Controlled, Full Automatic, Electronics Design with Static Semiconductors, No Moving Parts Inside	
Efficiency	> 98% ( at Full Load )	
Mechanic By-Pass	Utility – Regulator Selector PAKO Breaker	
<b>CONTROL PANEL</b>		
Display	4 x 20 Character LCD Display	
Warning Messages	Mains Low / Mains High, Output Low / Output High, Load >100% and Over Temperature	
Monitorable Datas	Output Voltage, Input Voltage, Load Percentage	
Output High Voltage Limit	Selectable between 230 VAC - 250 VAC ( via LCD )	
Output Low Voltage Limit	Selectable between 180 VAC - 210 VAC ( via LCD )	
<b>COMMUNICATION</b>		
Remote Monitoring	Monitoring of Operation over Network/LAN ( Optional )	
<b>ENVIRONMENT</b>		
Operating Temperature Range	0 °C ~ 40 °C	
Relative Humidity	< 90% , DIN ( 40040 )	
Altitude	$\leq$ 3000 m	
Noise	< 50 dB ( from 1 meter distance )	
Protection Level / Colour	IP20 / RAL 7035 / RAL 7032 ( Optional )	
<b>STANDARDS / CERTIFICATES</b>		
Int. Standards/Certificates	ISO 9001:2008 / EN 50091-1 (Safety) / EN 50091-2 (EMC)	

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