

ST SRV 11 Serie

Full Automatic Single phase
Servo Voltage Stabilizers
1 - 50 kVA



SERVOTEKNIK Voltage regulators are servo drive structure, microcontroller controlled heavy duty devices which regulates mains voltage for critical loads.

Technical Specifications

- SERVOTEKNIK SRV 11 series are Single Phase phase voltage stabilizers regulate mains voltage and bring many advantages.
- Non-linear charges drive
- 1 phase input 1 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overload protection (Optional)
- Digitally displayed status, input & output measurements
- 2 years warranty
- 10 years spare parts support

**Full Automatic
Single Phase
1-50 kVA**

Specifications

MODEL	1101	1102	1103	1105	1107	1110	1115	1120	1125	1130	1140	1150
Power kVA	1	2	3.5	5	7.5	10	15	20	25	30	40	50
REGULATOR INPUT												
In.Vol.Correct.Interval	160 - 260 / 110 - 240 VAC											
In.Vol.Working Interval	90 - 285 VAC											
Operation Frequency	47...65 Hz											
Line Input Protection	Overcurrent, Low and High voltage protection											
REGULATOR OUTPUT												
Output Voltage	220 / 230 / 240 VAC RMS \pm %1											
Overloading	10 Sec. % 200 Load											
Correction Speed	~ 90 Volt / Sec.											
Upturn Period	~ 90 Volt / Sec. (160 VAC - 260 VAC)											
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.											
WORKING PRINCIPLE												
	Servo Motor, Microprocessor Controlled, Full Automatic											
GENERAL												
Cooling	Smart Fan System											
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization											
Total Harmonic Distortion	-											
Total Efficiency	> % 96											
Mechanical By-Pass	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off											
Protection Level	IP 20 // IP 25											
ENVIRONMENTAL												
Working Temperature	-10 °C / 50 °C											
Storage Temperature	- 25 °C / +60 °C											
Relative Humidity	< % 90, DIN (40040)											
Working Altitude	< 2000 m.											
Acoustic Level	< 50 dB											
Documents	CE // TÜV Austria Hellas (ISO 9001)											
DIMENSIONS (cm)												
HxWxD (cm)	30 x 45 x 37			30 x 55 x 37			32x60x40	75 x 50 x 50			75 x 50 x 60	
Weight (kg)	25	28	29	30	34	47	55	95	110	130	155	180

ST SRV 33/324 Serie

Full Automatic Three Phase
Servo Voltage Stabilizers
3 - 150 kVA

SERVOTEKNIK Voltage regulators are servo drive structure, microcontroller controlled heavy duty devices which regulates mains voltage

SINGLE PHASE 110-115-120-127-220-230-240 VAC
THREE PHASE 220-230 240-380-400-415-440 VAC
IP20, IP21, IP54, Versions Available

Technical Specifications

- SERVOTEKNIK SRV33 series are three phase voltage stabilizers regulate mains voltage and bring many advantages.
- Non-linear charges drive
- 3 phase input 3 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overload protection
- Digitally displayed status, input & output measurements
- 2 years warranty
- 10 years spare parts support



Specifications

MODEL	33003	33006	33010	330015	330020	330030	330045	330060	330075	330100	330120	330150
Power kVA	3	6	10,5	15	22,5	30	45	60	75	100	120	150
REGULATOR INPUT												
In.Vol.Correct.Interval	275 - 450 VAC (Optional: 190-415VAC)											
Operation Frequency	47...65 Hz											
Line Input Protection	Overcurrent, Low and High voltage protection											
REGULATOR OUTPUT												
Output Voltage	380 / 400 / 415 VAC RMS \pm %1											
Overloading	10 Sec. % 200 Load											
Correction Speed	~ 90 Volt / Sec.											
Upturn Period	~ 90 Volt / Sec. (160 VAC - 250 VAC)											
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.											
WORKING PRINCIPLE												
Servo Motor, Microprocessor Controlled, Full Automatic												
GENERAL												
Cooling	Smart Fan System											
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization											
Total Harmonic Distortion	-											
Total Efficiency	> % 96											
Mechanical By-Pass	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off											
Protection Level	IP 20											
ENVIRONMENTAL												
Working Temperature	-10 °C / 50 °C											
Storage Temperature	- 25 °C / +60 °C											
Relative Humidity	< % 90, DIN (40040)											
Working Altitude	< 2000 m.											
Acoustic Level	< 50 dB											
Documents	CE // TÜV Austria Hellas (ISO 9001)											
DIMENSIONS (cm)												
HxWxD (cm)	110 x 40 x 63				119 x 40 x 63			140 x 88 x 60			165 x 93 x 65	
Weight (kg)	75	85	95	105	125	145	165	260	280	310	400	425

ST SVR 33 / 627 SER E

Full Automatic Three phase Servo
Voltage Stabilizers
200-3000 kVA

SERVOTEKNIK Voltage regulators are servo drive structure, microcontroller controlled heavy duty devices which regulates mains voltage for critical loads.



SINGLE PHASE 110-115-120-127-220-230-240 VAC
THREE PHASE 220-230 240-380-400-415-440 VAC
IP20, IP21, IP54, Versions Available

Technical Specifications

- SERVOTEKNIK SRV33 series are three phase voltage stabilizers
regulate mains voltage and bring many advantages.
- Non-linear charges drive
- 3 phase input 3 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overload protection
- Digitally displayed status, input & output measurements
- 2 years warranty
- 10 years spare parts support

Specifications

MODEL	330200	330250	330300	330400	330500	330600	330800	331000	331250	331500	332000	332500	333000
Power kVA	200	250	300	400	500	600	800	1000	1250	1500	2000	2500	3000
REGULATOR INPUT													
In.Vol.Correct.Interval	275 - 450 VAC (Optional: 190-415VAC)												
Operation Frequency	47..65 Hz												
Line Input Protection	Overcurrent, Low and High voltage protection												
REGULATOR OUTPUT													
Output Voltage	380 / 400 / 415 VAC RMS \pm %1												
Overloading	10 Sec. % 200 Load												
Correction Speed	~ 90 Volt / Sec.												
Upturn Period	~ 90 Volt / Sec. (160 VAC - 250 VAC)												
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.												
WORKING PRINCIPLE													
	Servo Motor, Microprocessor Controlled, Full Automatic												
GENERAL													
Cooling	Smart Fan System												
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization												
Total Harmonic Distortion	-												
Total Efficiency	> % 97												
Mechanical By-Pass	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off												
Protection Level	IP 20												
ENVIRONMENTAL													
Working Temperature	-10 °C / 50 °C												
Storage Temperature	- 25 °C / +60 °C												
Relative Humidity	< % 90, DIN (40040)												
Working Altitude	< 2000 m.												
Acoustic Level	< 55 dB												
Documents	CE // TÜV Austria Hellas (ISO 9001)												
DIMENSIONS (cm)													
HxWxD (cm)	122 x 180 x 120			140x180x122	175 x 180 x 122		185x210x122	185 x 210 x 200		185x210x260	195x240x260		SPECIAL
Weight (kg)	1050	1100	1200	1650	2000	2100	2900	3450	3900	4300	6000	SPECIAL	

***200-250-300-400-500-600-800 kva are 3 modules and dimensions are assembled.

1000-1250-1500-2000 kVA are 6 modules and dimensions are assembled.

ST STK 11 Serie

Static Voltage Stabilizers 10-50kVA

SERVOTEKNIK – Single Phase Static Voltage Regulators, are complete
electronical voltage regulators which contain no any moving piece inside.



Technical Specifications

- 1000 Volt / Second
- RISC Microprocessor Control,
- Excellent Dynamic, Static Regulation,
- Large Input Voltage Working Range, 130-260 VAC
- Electronic Protection against overload and short circuit,
- 220 VAC \pm 2,5 Regulation,
- Load level, Output ve Input Display
- Excessive voltage protection up-down limits.
- DELTA Static stabiliser is used when the speed of operation represents a critical load issue
- The voltage stabiliser does not provide galvanic separation between input and output.
- High Efficiency

Specifications

MODEL	1105	117,5	1110	1115	1120	1125	1130	1140	1150
Power kVA	5	7,5	10	15	20	25	30	40	50
REGULATOR INPUT									
In.Vol.Correct.Interval	160 - 250 VAC								
Operation Frequency	47...65 Hz								
Line Input Protection	Overcurrent thermic fuse and sudden overburden protection								
REGULATOR OUTPUT									
Output Voltage	220 VAC RMS \pm % 2								
Overloading	10 Sec. % 200 Load				% 500 Load 20 ms				
Correction Speed	~ 1000 Volt / Sec.								
Upturn Period	20 ms								
Output Protection	Short circuit, overburden, overcurrent electronic protection, protects load via opening control								
WORKING PRINCIPLE									
Microprocessor controlled, full automatic, static, semi conductor electronic structure maintenance free									
CONTROL PANEL									
Display and Buttons	Display Screen								
Alert Message	Input Low / Hi, Output Low / Hi, Over temperature (Smart Fan System)								
Meas.Value Monitorization	Output Voltage, Network Voltage								
Out. Up. Protect.limit	Standart								
Out. Sub Protect.limit	Standart								
Regulation Voltage	Standart								
GENERAL									
Total Efficiency	> % 97 (Full Load)								
Mechanical ByBass	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off								
Protection Level	IP 20								
ENVIRONMENTAL									
Working Temperature	-10 °C / 50 °C								
Storage Temperature	- 25 °C / +60 °C								
Relative Humidity	< % 90, DIN (40040)								
Working Altitude	< 2000 m.								
Noise Level	< 50 dB								
Documents	ISO 9001 // CE // TÜV Austria Hellas								
Dimensions	30 x 45 x 37		30 x 55 x 37		35 x 60 x 42		75 x 50 x 50		75 x 50 x 60
Weight	30	33	38	50	55	63	65	80	85

ST STK 33 Serie

Static Voltage Stabilizers
30-2000 kVA

SERVOTEKNİK Threephase Static Voltage Stabilisers are: Multi-tap autotransformer;
Microprocessor control system.



Technical Specifications

- 3 phase in / 3 phase out
- Sensitive and fast TRUE RMS reading modul
- In 20 mili second reading
- Fast regulation module
- Improvable output regulation structure
- Reading power parameters
- Modular card structure
- Maintenance free structure
- Ability to work under whatever with $\cos \mu$ load
- Ability to discriminate Non-Linear load and short circuit
- In the case of short circuit It prevents blowing of fuse
- Reoperating from short circuit
- 2 years warranty
- 10 years spare parts support

Specifications

MODEL	3330	3345	3360	3375	33100	33120	33150	33200	33250	33300	33400	33500	33600	33800	331000	331250	331600	332000
Power kVA	30	45	60	75	100	120	150	200	250	300	400	500	600	800	1000	1250	1600	2000
REGULATOR INPUT																		
In.Vol.Correct.Interval	300-480 VAC																	
Operation Frequency	47...65 Hz																	
Line Input Protection	Overcurrent thermic fuse and sudden overburden protection																	
REGULATOR OUTPUT																		
Output Voltage	380 / 400 / 415 VAC RMS \pm %2																	
Overloading	10 Sec. % 200 Load % 500 Load 20 ms																	
Correction Speed	500 ~ 1000 Volt / Sec.																	
Upturn Period	20 ms																	
Output Protection	Short circuit, overburden, overcurrent electronic protection, protects load via opening control																	
WORKING PRINCIPLE																		
	Microprocessor controlled, full automatic, static, semi conductor electronic structure maintenance free																	
CONTROL PANEL																		
Display and Buttons	Display Screen																	
Alert Message	Input Low / Hi, Output Low / Hi, Over temperature (Smart Fan System)																	
Meas.Value Monitorization	Output Voltage, Network Voltage																	
Out. Up. Protect.limit	Standard																	
Out. Sub Protect.limit	Standard																	
Regulation Voltage	Standard																	
GENERAL																		
Total Efficiency	> % 97 (Full Load)																	
Mechanical ByBass	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off																	
Protection Level	IP20																	
ENVIRONMENTAL																		
Working Temperature	-10 °C / 50 °C																	
Storage Temperature	- 25 °C / +60 °C																	
Relative Humidity	< % 95, DIN (40040)																	
Working Altitude	< 3000 m.																	
Noise Level	< 55 dB																	
Documents	ISO 9001 // CE // TÜV Austria Hellas																	
Dimensions (HxWxD)	117x41x63	127x41x63	138x50x68		142x60x88			145x120x195			160x140x120			175x180x120	195x240x154			
Weight	130	170	210	230	250	270	300	760	830	900	1000	1100	1150	1650	2850	3100	3300	3500