

Automatic Voltage Regulator

SRV11 Series

3.5KVA:50KVA



Features

- Automatic Servo Voltage Stabilizer
- High Reliability With Digital Microprocessor Controlled
- Wide Power Options For Single Phase Systems
- Advanced Motor Controlled Topology
- Wide Input Voltage Operation Range 1% Tolerance For Output Voltage
- Real RMS Measurement And Feedback
- Best In Class With 50-200 V/Sn Regulation Speed
- 20 Ms Recovery Time
- Short Circuit, High/Low Voltage And Overload Protection
- Lightning Protection
- Manual By-Pass Breaker
- Adjustable Output Voltage Via Panel
- Lcd/Led Display Screen
- Programming Via Digital Control Panel
- Audible And Visual Warning System
- Up To %98 High Efficiency
- Continuous Automatic System Control
- Smart Fan Control
- Advanced Fault Identification Alert/ Event Memory
- High Efficiency With Energy Saving
- Compact, Light And Quiet Operation
- Service And Installation Facility
- Low Installation And Operation Cost
- 10 Years Spare Part availability
- 7/24 Technical Support And Customer Service

Optional Features

- LCD Gösterge ekranı
- Kontaktör koruma
- Galvanik izolasyon trafosu
- Özel giriş / çıkış opsiyonları

Standards

- ISO 9001:2008
- ISO 14001:2015
- ISO 10002 :2001

Technical Specifications

MODEL	1103	1105	1107	1110	1115	1120	1130	1140	1150	1140	1150
Power KVA	3.5	5	7.5	10	15	20	30	40	50	40	50
REGULATOR INPUT											
Voltage	220/230/240V AC (1Ph+N)										
Voltage Regulation Range	130-270V AC / 130- 230V AC / 160- 255V AC / 180-245V AC / Custom ranges (1Ph+N)										
Operation Frequency	45 - 65 Hz										
Line Input Protection	Overcurrent Low and High voltage protection										
REGULATOR OUTPUT											
Output voltage	220/230/240 VAC RMS \pm %1-2										
Overloading	10 Sec. % 200 Load										
Correction Speed	90-150V/s										
Upturn Period	~ 90 Volt / Sec. (160 VAC - 260 VAC)										
Output Protection	%100 - 125 Load 10 min, %126-150 Load 60 s,%151-199 Load 10 s, %200 Load 3 s.										
WORKING PRINCIPLE											
Control	Microprocessor Controlled, Full Otomatic Servo										
GENERAL											
Cooling	Fan cooling system with temperature control (optional)										
Control	RISC Microprocessor, H-Bridge MOSFET PWM Motor Driver , Triac Controlled										
Measured Value Monitor.	Input/output Voltage, Output Frequency and Output Current										
Total Efficiency	Up to %98										
Mechanical By-Pass	Network- Regulated Voltage Select CAM Switch										
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	<50dB										
Documents	CE // TUV Austria Hellas (ISO 9001)										
DIMENSIONS (cm)											
(Hx W x D)	30*45*37			30*55*37			32*60*40	75*50*50		75*50*60	
weight (Kg)	25	28	29	30	34	47	55	95	130	155	180



Automatic Voltage Regulator

SRV33 Series

3KVA:150KVA



Features

- Automatic Servo Voltage Stabilizer
- High Reliability With Digital Microprocessor Controlled
- Wide Power Options For Single Phase Systems
- Advanced Motor Controlled Topology
- Wide Input Voltage Operation Range 1% Tolerance For Output Voltage
- Real RMS Measurement And Feedback
- Best In Class With 50-200 V/Sn Regulation Speed 20 Ms Recovery Time
- Short Circuit, High/Low Voltage And
- Overload Protection
- Lightning Protection
- Manual By-Pass Breaker
- Adjustable Output Voltage Via Panel Lcd/Led Display Screen
- Programming Via Digital Control Panel
- Audible And Visual Warning System
- Up To %98 High Efficiency
- Continuous Automatic System Control
- Smart Fan Control
- Advanced Fault Identification,
- Alert/Event Memory
- High Efficiency With Energy Saving
- Compact, Light And Quiet Operation
- Service And Installation Facility
- Low Installation And Operation Cost
- 10 Years Spare Part availability
- 7/24 Technical Support And Customer Service

Optional Features

- LCD Gösterge ekranı
- Kontaktör koruma
- Galvanik izolasyon trafosu
- Özel giriş / çıkış topşiyonları

Standards

- ISO 9001:2008
- ISO 14001:2015
- ISO 10002 :2001

Technical Specifications

MODEL	3303	3306	3310	3315	3320	3330	3345	3360	3375	33100	33120	33150	
Power KVA	3	6	10	15	20	30	45	60	75	100	120	150	
REGULATOR INPUT													
In.Vol.Correct.Interval	220/230/240V AC (1Ph+N) / 380/400/415V AC (3Ph+N)												
Voltage Regulation Range	130-270V AC / 130- 230V AC / 160- 255V AC / 180-245V AC / Costum Range (1Ph+N)												
Operation Frequency	45 - 65Hz												
Line Input Protection	Overcurrent Low and High voltage protection												
input power factor	99%												
REGULATOR OUTPUT													
Output voltage	380 / 400 / 415 VAC RMS \pm 1-2%												
Overloading	%100 - 125 Load 10 min, %126-150 Load 60 s, %151-199 Load 10 s, %200 Load 3 s												
Correction Speed	90-150 Volt I Sec												
Upturn Period	~ 90 Volt I Sec. (160 VAC - 250 VAC)												
output power factor	0.8 (0.9 Optional)												
Output Protection	Output Overload, Output Short Circuit, Output High/Low Voltage, Ground-N Protection (optional)												
WORKING PRINCIPLE													
Control	RISC Microprocessor, H-Bridge MOSFET PWM Motor Driver, Triac Controlled												
GENERAL													
Cooling	Smart Fan System												
Measured Value Monitor.	Input/output Voltage, Output Frequency and Output Current												
Total Efficiency	UP TO 98%												
Mechanical By-Pass	Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off												
Protection Level	IP 20												
COMMUNICATION													
Dry Contact	Regulator Normal Operation (NO,C,NC); High/Low Output Voltage Alarm (NO,C,NC) (Optional)												
Remote Monitoring	Internet and Network Monitoring , RS 485 (optional)												
ENVIRONMENTAL													
Working Temperature	-10 °C / 50 °C												
Storage temperature	-25 °C / +60 °C												
Relative Humidity	< % 95, DIN (40040)												
Working Altitude	\leq 3000 M												
Acoustic Level	<50dB												
Documents	CE // TUV Austria Hellas (ISO 9001)												
DIMENSIONS (cm)													
(Hx W x D)	110*50*40					119*60*44		140*85*64			163*90*69		
weight (Kg)	55	65	120	135	154	183	237	330	356	456	545	565	



Automatic Voltage Regulator

SRV33 Series

200KVA:3000KVA



Features

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- High Reliability With Digital Microprocessor Controlled
- Wide Power Options For Single Phase Systems
- Advanced Motor Controlled Topology
- Wide Input Voltage Operation Range 1% Tolerance For Output Voltage
- Real RMS Measurement And Feedback
- Best In Class With 50-200 V/Sn Regulation Speed 20 Ms Recovery Time
- Short Circuit, High/Low Voltage And
- Overload Protection
- Lightning Protection
- Manual By-Pass Breaker
- Adjustable Output Voltage Via Panel Lcd/Led Display Screen
- Programming Via Digital Control Panel
- Audible And Visual Warning System
- Up To %98 High Efficiency
- Continuous Automatic System Control
- Smart Fan Control
- Advanced Fault Identification,
- Alert/Event Memory
- High Efficiency With Energy Saving
- Compact, Light And Quiet Operation
- Service And Installation Facility
- Low Installation And Operation Cost
- 10 Years Spare Part availability
- 7/24 Technical Support And Customer Service

Optional Features

- LCD Gösterge ekranı
- Kontaktör koruma
- Galvanik izolasyon trafosu
- Özel giriş / çıkış opsiyonları

Standards

- ISO 9001:2008
- ISO 14001:2015
- ISO 10002 :2001

Technical Specifications

MODEL	33200	33250	33300	33400	33500	33600	33800	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	220/230/240V AC (1Ph+N) / 380/400/415V AC (3Ph+N)												
Voltage Regulation Range	130-270V AC / 130- 230V AC / 160- 255V AC / 180-245V AC / Costum Range (1Ph+N)												
Operation Frequency	45 - 65Hz												
Line Input Protection	Overcurrent Low and High voltage protection												
input power factor	99%												
REGULATOR OUTPUT													
Output voltage	380 / 400 / 415 VAC RMS± %1												
Overloading	10 Sec. % 200 Load												
Correction Speed	~ 90 Volt I Sec												
Upturn Period	~ 90 Volt I Sec. (160 VAC - 250 VAC)												
output power factor	0.8 (0.9 Optional)												
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.												
WORKING PRINCIPLE													
Control	RISC Microprocessor, H-Bridge MOSFET PWM Motor Driver, Triac Controlled												
GENERAL													
Cooling	Smart Fan System												
Measured Value Monitor.	Input/output Voltage, Output Frequency and Output Current												
Total Efficiency	UP TO 98%												
Mechanical By-Pass	Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off												
Protection Level	IP 20												
COMMUNICATION													
Dry Contact	Regulator Normal Operation (NO,C,NC); High/Low Output Voltage Alarm (NO,C,NC) (Optional)												
Remote Monitoring	Internet and Network Monitoring , RS 485 (optional)												
ENVIRONMENTAL													
Working Temperature	-10 °C / 50 °C												
Storage temperature	-25 °C / +60 °C												
Relative Humidity	< % 95, DIN (40040)												
Working Altitude	< 3000 M												
Acoustic Level	<50dB												
Documents	CE // TUV Austria Hellas (ISO 9001)												
DIMENSIONS (cm)													
(Hx W x D)	172*60*70			170*60*11	175*180*122	185*210*1	185*210*200	185*210*2	195*240*2	special			
weight (Kg)	1050	1150	1200	1500	2000	2500	2750	3450	3750	4500	5500	special	

