



Sorline



INDUSTRY



TRANSPORT



MALLS & FACILITIES



HOME & OFFICE

FULL AUTOMATIC VOLTAGE REGULATOR **1:1**

TVR 11

5-50kVA

Microprocessor Control

Wide Voltage Range

High Protection



SERVICE /
TECH. SUPPORT



ECO FRIENDLY

90
V/S

CORRECTION
SPEED

1.0

POWER FACTOR

Sorline TVR 11 Series Servo Voltage Regulators provide safe energy for your loads in sites where your mains is irregular or where the power supply voltage is unstable, such as a generator. By keeping the voltage within certain tolerances, it offers full protection against the risk of damage caused by excessive fluctuations in voltage.

With microprocessor control, the necessary signals for the desired regulation are transmitted to the dc motor. The DC motor provides movement in the direction of adding or subtracting voltage for regulation on the variac to which it is mechanically connected. This supplied voltage is transferred to the differential auxiliary transformer (booster transformer). As a result, electronically controlled stable voltage is provided in the output voltage against voltage changes.

TVR 11 series with high correction speed, fully mechanical and electronic protection are offered in the power range of 5-50KVA with 1 phase input and 1

GENERAL SPECIFICATIONS

- 1 phase input 1 phase output
- Wide power and voltage interval
- High reliability thanks to Microprocessor and Smart Driver
- Fast Regulation
- High efficiency
- Load transfer to Bypass via pole change switch
- Safe and economic usage
- Overcurrent and overload protection
- Digitally displayed status, input & output measurements

TECHNICAL SPECIFICATIONS

MODEL	TVR 1105	TVR 1107	TVR 1110	TVR 1115	TVR 1120	TVR 1125	TVR 1130	TVR 1140	TVR 1150	
Power (kVA)	5	7,5	10	15	20	25	30	40	50	
INPUT										
In. vol. correct. interval	165 - 255 / 110 - 240 VAC (Optional)									
In. vol. operating. interval	90 - 285 VAC									
Operation frequency	47...65 Hz									
Line input protection	Overcurrent, Low and High voltage protection									
Current at input	24	36	48	72	96	120	144	192	240	
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									
Current at output	18	27	36	54	72	90	108	144	180	
GENERAL										
Working principle	Servo Motor, Microprocessor Controlled, Full Automatic									
Cooling	Smart fan system									
Measured value monitor.	TRUE RMS Panel Voltmeter (74x74mm) output voltage and line voltage monitorization									
Total efficiency	> 96%									
Mechanic By-pass	Available									
Protection level	IP 20 // IP 54 (Optional)									
ENVIRONMENTAL										
Operating temperature	-10°C / 50°C									
Storage temperature	-25°C / 60°C									
Relative humidity	< 90%, DIN (40040)									
Altitude	< 2000 m.									
Acoustic level	< 50 dB (1m ²)									
Standards	CE / ISO 9001									
DIMENSIONS										
HxWxD (cm)	30x55x37			34x59x42		85x50x52			85x50x62	
Ağırlık (kg)	30	34	47	55	95	110	130	155	180	