

DALTON

Automatic Voltage Regulator
Single Phase Input & Output
Servomotor Technology

SRV10 Series

(1,2,3,5,10,15,20,30KVA)



Dalton SRV10 stabilizer is essential to protect electronic

equipment especially for those with high accuracy and precision from large voltage fluctuations.

SRV10 series full-automatic AC voltage regulator collects sample, amplifies it automatically control circuit and drives the servomotor to rotate the rocker arm and brush in required direction, and finally adjusts the output voltage to the rated value, finally reaches the aim of stabilizing the voltage. It can be widely used in areas, where the mains voltage often comes across sharp fluctuation or sharp seasonal variation, such as industrial production, scientific research medical treatment & hygiene, household electrical appliances, it can provide any loads with excellent power supply.

Features: Elegant appearance, compact structure, light weight, low power waste, complete protection functions, stable and reliable, low output waveform distortion and so on.

- Stable and Uninterrupted Feeding
- Wide Correction area
- Quick Regulation
- High reliability with microprocessor driver
- Feature to transfer Bypass to loaded with Polar Switch
- Charge / discharge Current Indicator
- Fully Automatic - High Precision
- High Yield
- Over and under current protection
- High accuracy
- Top servo motor designed voltage regulation system
- 10Years spare parts supports

Technical Specifications

Model	SRV10 1K	SRV10 2K	SRV10 3K	SRV10 5K	SRV10 10K	SRV10 15K	SRV10 20K	SRV10 30K
Rating Power	1KVA	2KVA	3KVA	5KVA	10KVA	15KVA	20KVA	30KVA
Input voltage range correction	150 - 250 VAC							
Output voltage	220 V AC RMS \pm % 1 -2							
Operation frequency	50 Hz. \pm % 5							
Fixing (control) speed	~80 Volt / Second							
Indicator and buttons	True RMS digital multi meter, the microprocessor							
Working technique	Micro-processor controlled, fully automatic servo control							
Total output	> 95% (at full load)							
Monitoring measured values	2 in a separate window, input and output, the voltage reading up to							
Excessive loading	10 seconds, 200% load							
Time of setting	~900 msec. (160 V AC - 250 VAC to the change)							
Output upper limit adjustment (option)	240 V, 245 V, 255 V and 265 V selectable by DIP Switch. (Optional)							
Output lower border shift set (option)	170 V, 180 V, 190 V and 200 V selectable by DIP Switch. (Optional)							
Output delay time (optional)	1 sec, 2.5 sec, 5 sec and 10 sec can be selected by DIP Switch. (Optional)							
Operating temperature	0°C / + 50° C							
Protection class	IP 20							
Relative humidity	More than 90% of the DIN (40040)							
Working height	2000 meter							
Acoustic level	Less than 50 Db							
Mechanical by-pass	Manuel "mains - voltage regulator" selective interruption Switch							
Output tolerance setting	1.5%, 2.5%, 3.5% and 5% can be selected with the DIP Switch.							
H*W*L(mm)	215×240×170	225×290×220	245×305×240	380×280×340	320×600×420	325×430×620		402×735×803
Weight (kg)	11.7	12.1	13	15.6	29	45	70	140

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