



Single Phase Line Conditioner “Supervolt”

Line Conditioning or Constant Voltage Transformers (CVT) are the next best solution to online UPS systems if total protection from mains failure is not required. These units provide total galvanic isolation between supply and load. They allow earthing of the secondary neutral, thus providing complete isolation against voltage drops, surges, spikes and electrical noise. They also offer protection against lightning.

Applications:

- Telecommunications
- Computer systems
- Process control equipment
- Voltage or noise sensitive equipment
- CAD workstations
- Line Filters for portable generating sets



MODELS

MODEL	INPUT//OUTPUT	RATING	CURRENT	SIZE in mm H x W x D	WEIGHT
SC150S	230//230 V	120 W	0.52 A	206 x 392 x 282	19 kg
SC250S	230//230 V	200 W	0.87 A	206 x 392 x 282	21 kg
SC500S	230//230 V	400 W	1.74 A	206 x 392 x 282	23 kg
SC750S	230//230 V	600 W	2.61 A	206 x 392 x 282	26 kg
SC1000S	230//230 V	800 W	3.48 A	206 x 392 x 282	27 kg
SC1500S	230//230 V	1.2 k W	5.22 A	206 x 392 x 282	39 kg
SC2000S	230//230 V	1.6 k W	7.27 A	263 x 400 x 550	60 kg
SC2500S	230//230 V	2.0 k W	9.09 A	263 x 400 x 555	65 kg
SC3000S	230//230 V	2.4 k W	10.91 A	263 x 400 x 565	71 kg
SC4000S	230//230 V	3.2 k W	14.55 A	263 x 400 x 600	91 kg
SC5000S	230//230 V	4.0 k W	16.18 A	263 x 400 x 630	99 kg
SC6000S	230//230 V	4.8 k W	21.82 A	380 x 375 x 890	169 kg
SC7500S	230//230 V	6.0 k W	27.27 A	380 x 375 x 920	189 kg
SC10000S	230//230 V	9.0 k W	36.36 A	380 x 375 x 970	233 kg
SC12000S	230//230 V	9.6 k W	43.64 A	600 x 800 x 450	319 kg
SC15000S	230//230 V	12 k W	54.55 A	800 x 800 x 450	374 kg
SC18000S	230//230 V	14 k W	65.45 A	800 x 1100 x 450	478 kg
SC20000S	230//230 V	16 k W	72.73 A	800 x 1100 x 450	495 kg

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TECHNICAL SPECIFICATIONS FOR SINGLE PHASE CVT

Input Voltage	Single phase 230 V (20%, i.e. 184V - 276V). Other voltages available on request	
Supply Frequency	50 Hz	
Output Voltage	230 V. Other voltages available on request	
Output Accuracy	Better than 3% (1% option available)	
Harmonic Distortion	Typically less than 2%	
Effect of frequency change	1% change in frequency produces approximately 5% change in output voltage	
Response	Typically 1 - 2 cycles (20 - 40 milliseconds)	
Ratings	See table above	
Overload	Short circuit limited	
Efficiency	Approximately 85% at full load	
Noise Attenuation	Symmetrical-mode (Transverse-mode) 60 dB Typ. (150 KHz - 10 MHz) Asymmetrical-mode (Common-mode) 60 dB Typ. (150 KHz - 10 Mhz)	
EMI / RFI Suppression	Yes	
Load Factor	0.8	
Operation Temperature	0 Deg C - 40 Deg C	
Construction	Powder coated metal enclosure	
Connections	Input / output plug and socket up to 4000VA. Hardwire connection on request	
Standards	IEC 1000-4/4 or EN 61000-4-4 (Burst) IEC 1000-4/5 or EN 61000-4-5 (Surge)	ISPRII or EN 55011 CE marked
Warranty	1 Year	

The manufacturer reserves the right to change specifications without prior notice.