

SVS04-22E5 VOLTAGE STABILISER

EXTENDED RANGE VOLTAGE STABILISER TO WITHSTAND UPTO 500V CONTINUOUS

DESCRIPTION

As both high and low mains voltage can damage your electrical equipment, the Sollatek SVS is designed to monitor and correct the incoming supply continuously.

If the voltage rises or drops, the SVS will stabilise the output to ensure that the voltage reaching your equipment remains constant at 230V ($\pm 7\%$)*. For full input / output voltage profile, please see table in the next page.

The Sollatek SVS04-22E5 has a bright and clear LED display to accurately read the input and output voltage as well as three status LEDs for quick load status indication.

The SVS also protects your electrical equipment against power spikes and surges. Using the SVS ensures a stable, and clean voltage supply to your equipment.

SUITABLE FOR

The SVS04-22E5 is suitable for all electrical and electronic appliances, including: fridges/freezers, vaccine fridges/freezers, medical and laboratory equipment.

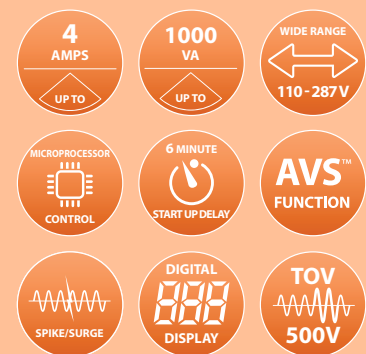
FEATURES

- Microprocessor controlled stabiliser
- Solid state with no moving parts
- Requires no maintenance
- Extremely fast response
- Excellent output voltage stability
- Very wide input voltage range (110 - 287V)
- Capable of withstanding 500V continuous
- IP Rating 20 (IP Rating 31 with add-ons)
- Includes surge and spike suppression and protection (Max Residual Voltage <750kV)
- Incorporates over & under voltage disconnect (AVS™ function) when mains is extreme and outside working limits
- 6 minute startup delay to allow neutralisation of compressor gases, critical in such applications
- Incorporates TIMESAVE™ Function (10 second start-up delay after long duration powercut)
- Frequency/Voltage measurement smoothing via software to filter noise
- Protection from impulsive transients, compliant with IEC 61000-4-5

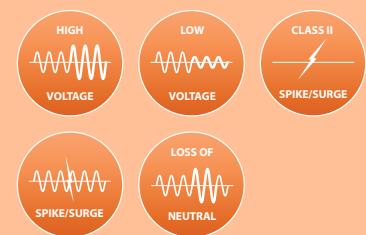


Actual unit may differ from shown

FEATURES



PROTECTION AGAINST



PROTECTION FOR



- Compact modern design incorporating lightweight, high grade flame retardant ABS
- Modern 7 segment LED display for input & output voltage and 3 status LED indicators
- Fitted with MCB (Output Circuit breaker) for overload protection
- British design

TECHNICAL SPECIFICATION

INPUT & OUTPUT			
Nominal Voltage		230 V 50/60 Hz	
Input Range		110 V to 287 V	
Output Range		202 V to 245 V	
Input Operating Range	Over Voltage	Disconnect	287 V
		Reconnect	285 V
	Under Voltage	Disconnect	110 V
		Reconnect	116 V
Over Voltage		500 V	
Frequency Range		47 Hz to 63 Hz	
GENERAL			
Derating Factor		10% to 15% per 10°C above 43°C	
Synchronization		Output synchronized to input	
Permissible Overload		Overload 1000% for 100ms, 720% for 10 seconds, 150% for 120 seconds	
Load Types		Fridges, Freezers, Medical Cold Chain (vaccine fridges/freezers), Laboratory and Medical Equipment, Computers, IT Equipment	
Cable Length		1.5 m	
Technology		Transformer tap switching using relays	
Efficiency		88% at 25% load, 94% at 50% load, 96% at 75% load, 97% at 100% load	
Control		Microcontroller based control system provides self checks, system integrity, monitoring and diagnostic indicators	
Control Protection		Internal surge arrestors and filters in control circuit protect against disturbances. Filtering algorithms and fault tolerant software protect against disturbances and false measurements	
Ambient Temp Range		-30°C to +70°C when product is inactive -5°C to +55°C during use	
Relative Humidity		5% to 95% RH, non condensing	
Acoustic Noise		< 45 dB (A)	
Expected Service Life		> 10 years	
Standards		Manufactured to comply with: ISO9001:2000, CE, EN 50081-1:1992, EN 50082-1:1998, EN 55022:1998, EN 61000-4-2:1995/1998, EN 61000-4-3:1996, EN 61000-4-4:1995, EN 61000-4-5:1995, EN 61000-4-6:1996, EN 61000-4-11:1994, DD ENV 50204, BS EN 61558-1, EN 60065, EN 60555, IEC 61000-4-5	
Correction Speed		750 Volts per second	
Response		Within 0.1 second	
Wait Time on Start Up		6 minutes	
Power Factors		Unaffected by load power factor	
AVS™ Function		Automatic voltage switcher: output is switched off to protect device against over and under voltage and automatically reconnects when safe	
TimeSave™ Function		Reduced startup delay if unit was off for more than the standard delay period to 10 seconds	
Environmental Protection		IP20 (IP31 with add-ons)	

VOLTAGE TABLE

INPUT	OUTPUT
0-105	OFF
110	200/OFF
115	209
120	218
125	227
130	236
135	210
140	217
145	225
150	233
155	249/211
160	218
165	225
170	232
175	238
180	209
185	215
190	221
195	227
200	233
205	239
210	243/210
215	215
220	220
225	225
230	230
235	235
240	240
245	245/209
250	214
255	218
260	222
265	226
270	231
275	235
280	239
285	243
290	OFF

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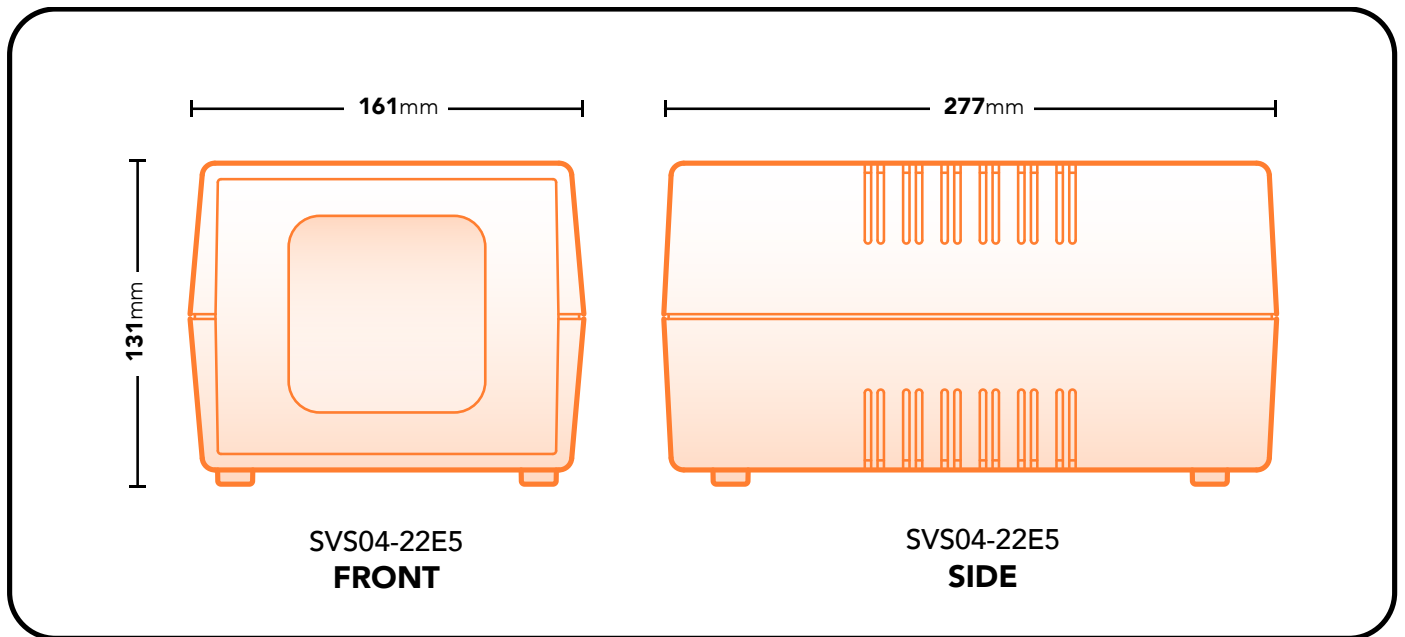
SURGE SUPPRESSION

Type	Class III
Nominal Discharge Current (In)	6.5 kA
Residual Voltage (Up)	<750 kV
Temporary Over Voltage (TOV)	500 V

MECHANICAL

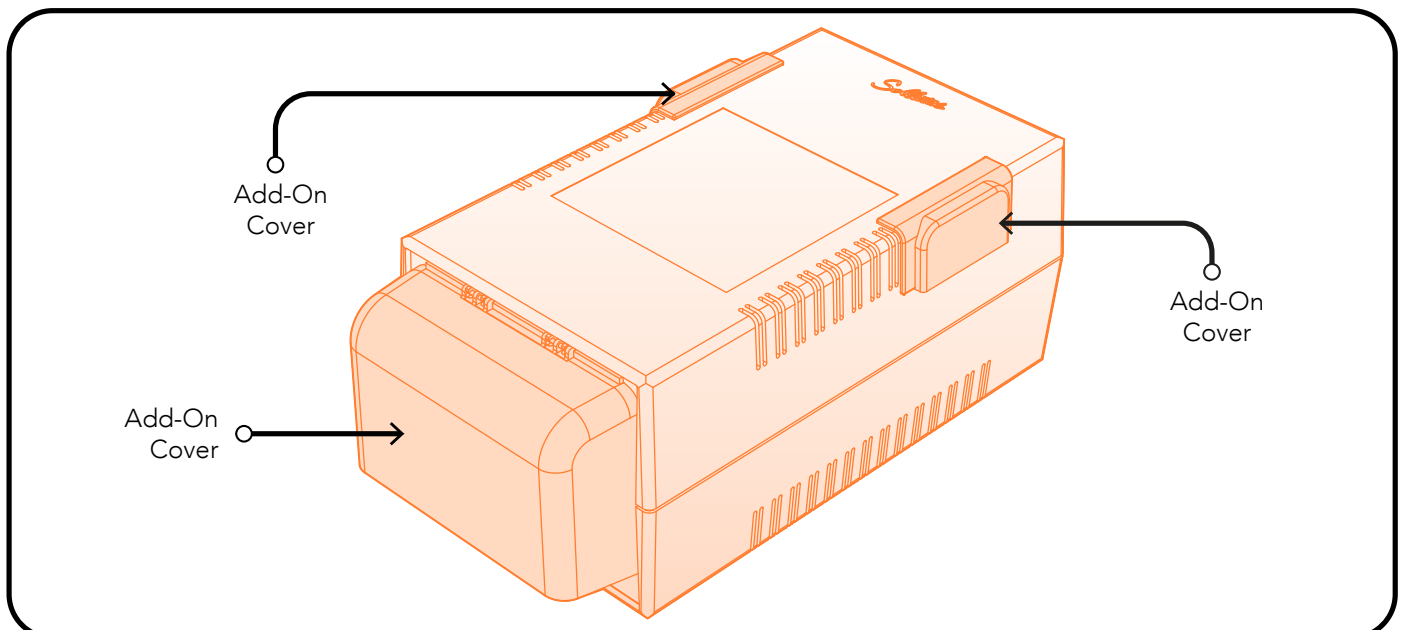
Unit Dimension WxHxD	161 x 131 x 277 mm
Unit Weight	7.2 kg
Carton Dimensions WxHxD	290 x 180 x 550 mm
Carton Quantity	2 units
Pallet Dimensions WxHxD	1000 x 1100 x 1200 mm
Pallet Quantity	25 cartons (50 units)

DIMENSIONAL DIAGRAM

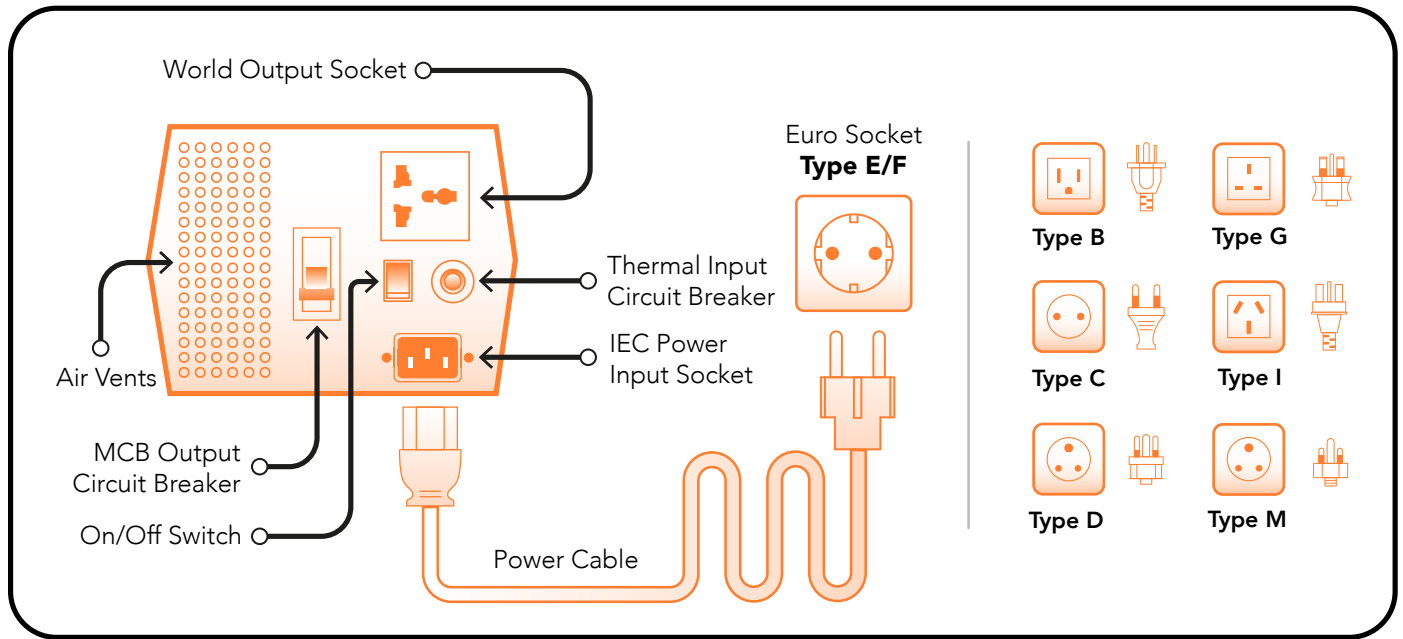


i The diagrams presented are for illustrative purposes only. Detailed drawings are available upon request.

SVS04-22E5 IP RATING 31 WITH ADD-ONS



REAR PANEL DIAGRAM



+ Alternative plug types available: Type B, C, D, G, I and M.
Other plug types not listed available upon request.

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Stock No	Description
98204E25	SVS04-22E5 4A 1KVA 110-285V 6MIN EURO

