

SP Series Industrial Strength Surge Suppression Model SP-6TVN For Home Or Office With True Active Tracking[®] Filter Technology



The SP-6TVN is an industrial-strength surge suppression/filtering device that plugs into a standard duplex receptacle. It features uniquely designed repositionable outlets for easy installation behind desks and other furniture. It protects your sensitive home or office equipment, including TVs, home theaters, satellite dishes, computers, printers, copiers and fax machines, from damaging power disturbances traveling through your wiring into your electrical outlets.

Standard Features:

- Plugs into standard 120V, 15AMP electrical outlet
- Total peak surge current capacity of 39,000AMPS
- Cables for telephone, video, and data connections
- Repositionable outlets rotate to accommodate available space
- Perfect for tight spaces, behind furniture and appliances
- Intelligent monitoring against improper wiring/grounding
- 60dB maximum high frequency
- Operational indicator lamp
- 5-year limited warranty
- UL 1449 Listed

There are many sources for low-energy transients or “dirty power” that cause disruption and equipment failure. But there’s only one real power quality solution and its Active Tracking[®] Filtering Technology from Emerson Network Power.

The difference between the SP-6TVN and other surge suppression devices is how surge suppression combines with our Active Tracking[®] Filtering to eliminate electrical abnormalities generated by other equipment located within your home or office. It also eliminates low-voltage transients missed by typical surge suppression technology.

SP-6TVN Specifications

AC Power Protection			
Nominal Operating Voltage	120 VAC, Single Phase		
Operating Voltage Range	120 VAC +/- 10%		
Operating Frequency Range	47 – 63 Hz		
Rated Output (Amps)	15 Amperes		
ANSI/IEEE C62.41 Category	Category A & B		
Connection Type	(6) 5- 15R Receptacles and 5- 15P Plug		
Phase Configuration	2 Wire + Gnd		
Size	7.5 x 4.75 x 1.75 (Inches)		
Enclosure	High Impact Plastic		
Weight	2.0 lbs. (0.9 kgs.)		
Modes Of Protection	L – N, L – G, N – G		
Indication of Suppression Status	Status Indicator		
Response Time	< .5 ns Normal mode		
Certifications	UL 1449 Listed		
Warranty	5 Year		
Maximum Continuous Operating Voltage (MCOV)			
Line to Neutral	130 VAC		
Peak Surge Current (8 x 20ms)			
Line to Neutral	13,000 Amps		
Line to Ground	13,000 Amps		
Neutral to Ground	13,000 Amps		
Total	39,000 Amps		
ANSI/IEEE C62.41 Cat A Ringwave (6 kV, 200A, 100 kHz)			
Normal Mode	265 V		
Common Mode	290 V		
ANSI/IEEE C62.41 Cat B Ringwave (6 kV, 500A, 100 kHz)			
Normal Mode	275 V		
Common Mode	290 V		
Frequency Response			
Normal Mode	60 dB Maximum, forward/reverse, 100 kHz to 50 MHz		
Common Mode	40 dB Maximum, forward/reverse, 5 MHz to 50 MHz		
Low Voltage Protection	Video 1 & 2	Phone	Network
Connection Type	Type "F"	Type RJ11	Type RJ45
Cables Provided	6' (2x) Type "F" ends	6' RJ11 Male Ends	6' RJ45 Male Ends
Peak Surge Current	5kA (8x20us)	2kA (10x1000us)	3kA (8x20us)
Capacitance	<12pf	<50pf	<70pf
Protection Level	L-G	T-R, T-G, R-G	L-G (8 Lines)
Clamping Voltage (DC)	145V	270-350V	30V
Attenuation	1db @ 2Ghz	N/A	N/A



The SP-6TVN is a high-quality surge suppression/filtering device that plugs into a standard duplex receptacle. This uniquely designed product contains repositionable outlets for easier installation behind desks and other furniture. The SP-6TVN protects your sensitive home or office equipment, including TVs, home theaters, satellite dishes, computers, printers, copiers, and fax machines, from damaging power disturbances traveling through your wiring and into your electrical outlets.

While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

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SL-22100 (R06/08) Printed in USA

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- DC Power
- Embedded Computing
- Embedded Power
- Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- **Surge Protection**

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