

# Standalone Surge Elimination

## Premium protection for any environment



The SurgeX Standalone product line is engineered to protect independent audio and video equipment in any environment. Our compact solutions fit alongside standalone equipment, take up minimal space, and are perfect for AV, security, and computer systems that are installed outside of a rack.

Featuring Advanced Series Mode surge elimination technology, the SurgeX Standalone product line provides premium protection for sensitive equipment that relies on audio and video performance. Unlike common protection solutions, our patented protection technology is non-sacrificial and eliminates surge energy up to 6,000 Volts, without producing harmful side effects such as ground contamination or common mode disturbances that can degrade the performance of AV systems. With SurgeX, your connected equipment will be protected from destructive spikes, surges, and inductive transients that can cause disruptions and catastrophic damage.

Available in four configurations, the Standalone Surge Elimination product line fits behind, alongside, or nearby any installation.

### Features:

- Protects audio video based equipment from power disturbances and catastrophic damage
- Provides 100% fail-safe, non-sacrificial protection
- Eliminates surge energy up to 6,000 Volts
- Features SurgeX Advanced Series Mode<sup>®</sup> surge elimination technology and EMI/RFI Filtering (not included in SA-966)
- Improves audio and video performance
- Compact design
- A-1-1 Certified

	Model Number	Plug Configuration		Description
		Input	Output	
	SA-15	 NEMA 5-15P	 NEMA 5-15R (2x)	Standalone Surge Eliminator, 15A/120V
	SA-20	 NEMA 5-20P	 NEMA 5-20R (2x)	Standalone Surge Eliminator, 20A/120V
	SA-966	 NEMA 5-15P	 NEMA 5-15R (6x)	Standalone Surge Eliminator, 8A/120V
	SA-1810	 NEMA 5-15P	 NEMA 5-15R (10x)	Standalone Surge Eliminator, 15A/120V

# Stand Alone Surge Elimination

Technical Specifications	SA-15/ SA-20	SA-966	SA-1810
<b>Load Rating</b>	15/20 Amps @ 120 Volts	8 Amps @ 120 Volts	15 Amps @ 120 Volts
<b>Power Requirement (no load)</b>	10 watts	10 watts	10 watts
<b>Surge Let-Through Voltage (6000-volt surge)</b>	0 Volts		0 volts
<b>UL 1449 Adjunct Classification Test Results</b>	1000 surges, 6000 Volts, 3000 Amps, B3 pulse	1000 surges, 6000 Volts, 3000 Amps, C1 pulse	1000 surges, 6000 Volts, 3000 Amps, B3 pulse
<b>Measured suppressed voltage</b>	170 Volts; no failures	290 Volts, no failures	170 Volts; no failures
<b>Federal Guidelines</b>	Grade A, Class 1, Mode 1 (CID A-A-55818)	Grade A, Class 1, Mode 1 (CID A-A-55818)	Grade A, Class 1, Mode 1 (CID A-A-55818)
<b>Maximum Applied Surge Pulse Joule Rating</b>	Unlimited, due to current limiting (8 x 20 $\mu$ s)	Unlimited, due to current limiting (8 x 20 $\mu$ s)	Unlimited, due to current limiting (8 x 20 $\mu$ s)
<b>EMI/RFI Filter, Normal Mode (50-ohm load)</b>	40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz	40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz	40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz
<b>EMI/RFI Filter, Common Mode (50-ohm load)</b>	18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz	18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz	18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz
<b>Maximum Applied Surge Voltage</b>	6000 Volts*	6000 Volts*	6000 Volts*
<b>Maximum Applied Surge Current</b>	Unlimited, due to current limiting*	Unlimited, due to current limiting*	Unlimited, due to current limiting*
<b>Maximum Applied Surge Energy</b>	Unlimited, due to current limiting*	Unlimited, due to current limiting*	Unlimited, due to current limiting*
<b>Endurance (C62.41-1991 Category B3 pulses)</b>	1 kV>500,000; 3 kV>10,000; 6 kV>1000	1 kV>500,000; 3 kV>10,000; 6 kV>1000	1 kV>500,000; 3 kV>10,000; 6 kV>1000
<b>Dimensions</b>	4.0" H x 10.2" W x 4.2" D (10.2 x 25.9 x 10.7 cm)	3.0" H x 7.5" W x 4.0" D (7.6 x 19.0 x 10.2 cm)	4.0" H x 10.2" W x 4.2" D (10.2 x 25.9 x 10.7 cm)
<b>Weight</b>	8.5 lbs (3.8 kg)	5.4lbs (2.54 kg)	8.5 lbs (3.8 kg)
<b>Temperature Range</b>	5° to 35° C	5° to 35° C	5° to 35° C
<b>Humidity Range</b>	5% to 95% R.H., non-condensing	5% to 95% R.H., non-condensing	5% to 95% R.H., non-condensing
<b>Agency Listings</b>	ETL and cETL certified to (UL 1449; CSA C22.2 No.8-M1986, R2000) UL 1283	ETL and cETL certified to (UL 1449; CSA C22.2 No.8-M1986, R2000) UL 1283	ETL and cETL certified to (UL 1449; CSA C22.2 No.8-M1986, R2000) UL 1283

\* 1.2 x 50  $\mu$ s pulse, industry standard combination wave surge, as per IEEE C62.41

\*\* Specifications subject to change without notice.

This product, including its components and/or processes carried out thereby, are covered by one or more of the following:  
 U.S. Pat. No. 4,870,534. 4,870,528. 6,728,089. 6,744,613. 7,068,487. Can. Pat. No. 1,333,191. 1,332,439. Other Patents Pending.