



**ST-MVx3N7200**

**80/120/160 kA Per Mode**

The Sinetamer Industrial Grade, Medium Voltage Secondary Arrester TVSS models are specifically designed for heavy duty applications including: Chemical & Pharmaceutical Plants, Waste & H<sub>2</sub>O Treatment Facilities, Mining, Petroleum & Oil Refineries as well as other Large Scale, Automated, Heavy Commercial or Industrial Manufacturing Production Lines.

**General**

<b>Protected Modes:</b>	Directly connected / Bidirectional, True, ALL-Mode (Normal & Common Mode) suppression componentry
<b>Technology:</b>	Field proven, Multi-parallelized, Thermally Fused All solid-state, Bipolar, Auto-restoring, MOV suppression arrays
<b>Withstand:</b>	High Energy Exposure ANSI/IEEE C62.41.1 & .2-2002 "C3" (20 kV x 10 kA) Location/Category Rating
<b>Connection Means:</b>	5 ft (60 in) of #6 AWG, 7.5 kV cable, 4 conductors: L <sub>A</sub> , L <sub>B</sub> , L <sub>C</sub> & Ground
<b>Mechanical Interface:</b>	2" diameter threaded hub & external mounting flanges
<b>Environmental:</b>	NEMA 12 (Standard), 4, 4X, Steel & Stainless (XS) enclosures (Optional)
<b>Standard Size:</b>	16" x 14" x 6", (80 kA) 30" x 20" x 6" (120/160 kA)
<b>Weight:</b>	Weight is determined by models and options

**Design & Performance**

<b>Peak Surge Capacity:</b>	80 kA/Mode (160 kA/Phase PSC L-L, L-G)
	120 kA/Mode (240 kA/Phase PSC L-L, L-G)
	160 kA/Mode (320 kA/Phase PSC L-L, L-G)
<b>Frequency:</b>	47 – 420 Hz. (60 Hz. typical.)
<b>Interrupt Means:</b>	30 Amp. Ferraz A825X30E-1 line fusing required; (see model Installation Instructions)
<b>Applications:</b>	Multiple ANSI/IEEE C62.41.2 Location (Category A, B & C) & high energy suppression uses
<b>Temperature Range:</b>	-40° C to +80° C; (-40° F to +176° F)
<b>% RH :</b>	0 – 100% (non-condensing)

**Quality & Safety**

<b>Manufacturer &amp; Product Qualifications:</b>	ISO-9001 NQA QMS
<b>Assurance:</b>	All models electrically quality checked at factory
<b>Life Safety:</b>	Safety Warning Labeling
<b>Industry Recognition:</b>	2004 & 2006 Frost & Sullivan Customer Value Enhancement Award



**Key Features**

- Discrete "All Mode" Circuitry: Directly Connected Protection Elements in "All Modes" (6 modes for 3 phase Delta circuits) as recommend by NEMA LS-1 and IEEE Std. 1100-2005
- 5 Year Free Replacement Warranty
- Circuit Encapsulation
- Multistage, Optimal Response Circuitry
- Variety of enclosure types
- Service Entrance, Distribution, And Individual Equipment protection
- Special order options available
- ISO 9001 Manufactured Quality

Medium Voltage AC Power Panel Units / Secondary Arrester



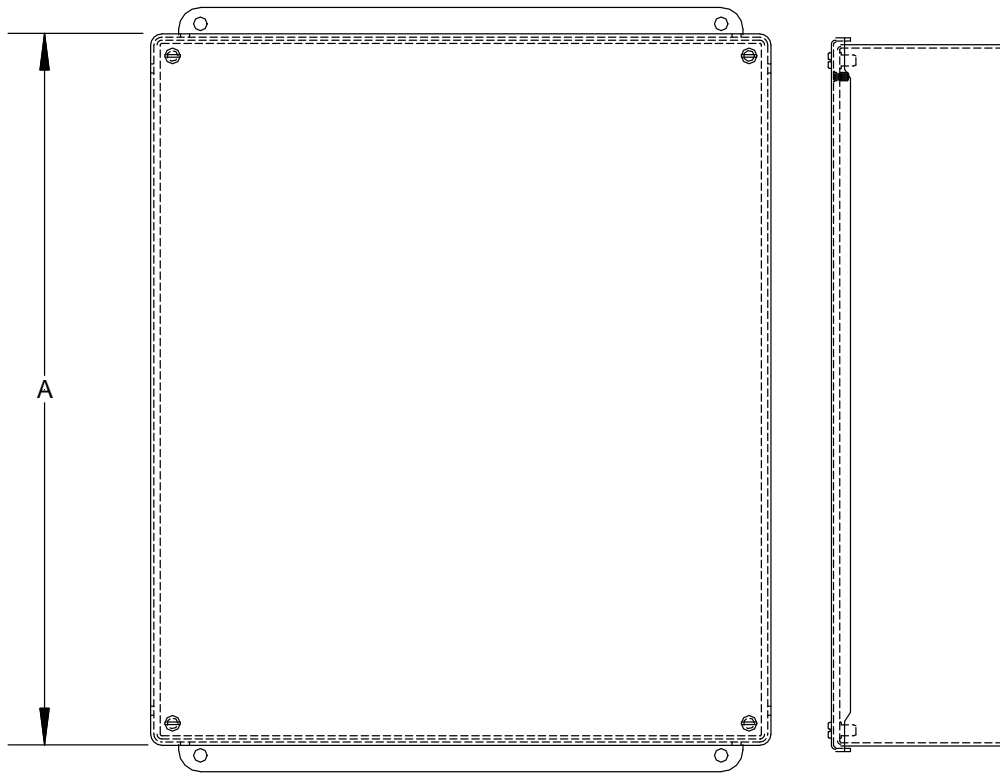
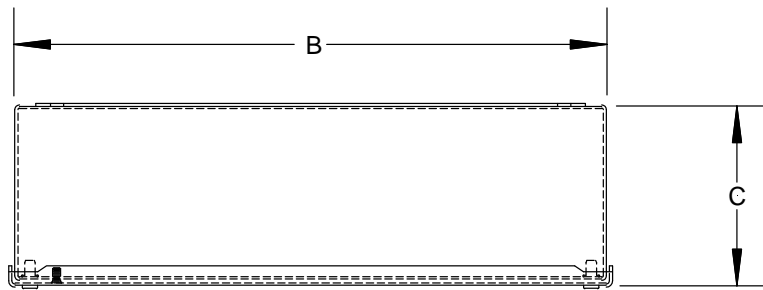
# "Power Quality Is Our Business"

Model Number x = 80/120/160	Nominal Operating Voltages	Maximum Continuous Operating Voltage
ST-MVx3N7200	Up to 7,200 Vrms	9,000 Vrms

## Enclosure Options (Suffix):

**M** NEMA 12 Metal  
**W** NEMA 4 Steel  
**XS** 4X Stainless Steel  
**X** NEMA 4X Composite  
**E1** Hub, wires out side of enclosure  
 Other options may be available upon request.

Dimensions		
Model	80	120/160
<b>A</b>	16"	30"
<b>B</b>	14"	20"
<b>C</b>	6"	6"



Mechanical and Options

*Energy Control Systems*

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Because we are constantly seeking to improve our products, specifications are subject to change at any time.

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