

## SGX Series Power Conditioning for the MSP, LCP & SCP Series

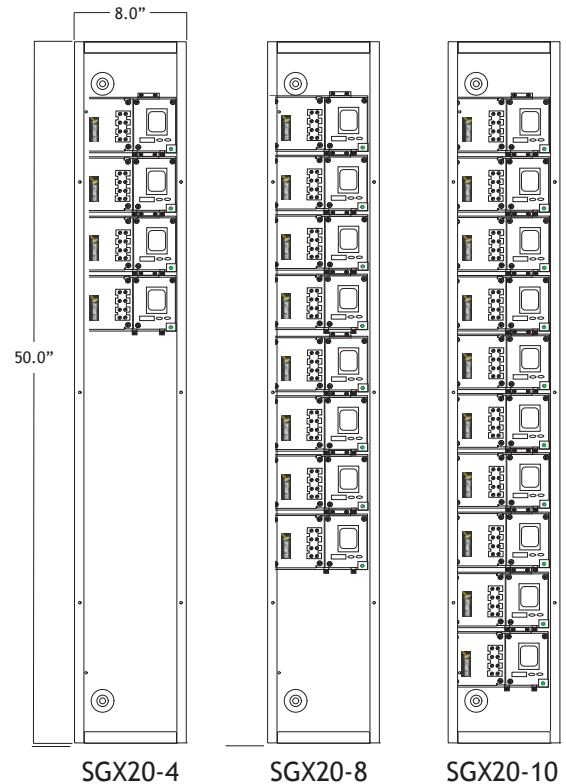
Protected by **SURGEX**

- Available in 4, 8, and 10 module units.
- Factory installed in LynTec Sidecars and ships attached to LynTec panels.
- Advanced Series Mode surge protection
- Advanced Impedance Tolerant EMI/RFI filtering
- Self-test circuit with visual indicator
- 10-year warranty
- Made in U.S.A.

### Available Models:

- SGX20-4
- SGX20-8
- SGX20-10

Add the model suffix to any MSP, LCP or SCP series panels



## SPECIFICATIONS

Load Rating: 20 amps per circuit @ 120 volts  
 Power Requirement (no load): 15 watts per circuit  
 Surge Let-Through Voltage (6000-volt surge): 0 volts  
 UL 1449 Adjunct Classification Test Results:  
 1000 surges, 6000 volts, 3000 amps, B3 pulse;  
 Measured suppressed voltage: 170 volts; no failures.  
 Federal Guidelines: Grade A, Class 1, Mode 1 (CID A-A-55818)  
 EMI/RFI Filter, Normal Mode (50-ohm load):  
 40 dB @ 100 kHz; 50 dB @ 300 kHz; 50 dB @ 3 MHz; 50 dB @ 30 MHz  
 EMI/RFI Filter, Common Mode (50-ohm load):  
 18 dB @ 300 kHz; 30 dB @ 1 MHz; 50 dB @ 5 MHz; 50 dB @ 20 MHz  
 Maximum Applied Surge Voltage: 6000 volts\*  
 Maximum Applied Surge Current:  
 Unlimited, due to current limiting\*  
 Maximum Applied Surge Energy:  
 Unlimited, due to current limiting\*  
 Endurance (C62.41-1991 Category B3 pulses):  
 1 kV>500,000; 3 kV>10,000; 6 kV>1000  
 Dimensions: 50.0" H x 8.0" W x 6.0" D (127 x 20.3 x 15.2 cm)

Temperature Range: 5° to 35° C

Humidity Range: 5% to 95% R.H., non-condensing

Agency Listings: ETL and cETL (UL 1449, 2nd edition; CSA C22.2 No.8-M1986, R2000)

\*1.2 x 50 μs 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.

## TECHNICAL DESCRIPTION

The SGX20 shall be housed in a steel enclosure. It shall operate from 120 volts AC and have a barrier strip accessible through knock-outs in the enclosure for hardwiring power input and output connections.

The SGX20 shall have a load rating of 20 amps per circuit at 120 volts, a self-test circuit with visual indicator and provide EMI/RFI filtering. It shall meet Federal Grade A, Class 1, Mode 1 guidelines for powerline surge suppressors and withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

# Sample MSP 341-36-SGX20-10

