Lightning Eliminators
& Consultants, Inc.

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SP-DC Surge Protectors

State-of-the-Art High Performance Protection for DC Circuits

Specifications

- Maximum Surge Current - 10,000 Amps
- Maximum Energy Handling - 500 Joules
- Response Time - < 1 nS
- Operating Altitude - Up to 10,000 Feet
- Operating Humidity - 5% to 95%
- Operating Temperature - 40C to 85C
- Nominal Operating Voltage - Up to 250V DC
- Weight - 3.0 pounds
- Warranty - 5 Years
- Dimensions without Mounting Feet - 4.69”H, 3.125”W, 1.25”D
- Dimensions with Mounting Feet - 5.69”H, 3.125”W, 1.25”D

Available Operating Voltages

≤ 12V	≤ 115V
≤ 24V	≤ 130V
≤ 48V	≤ 150V
≤ 60V	≤ 250V
≤ 75V	*
≤ 100V	*

* Higher voltages can be custom engineered

How to Determine Your SP-DC Model Number:

SP - * - DC - #

** = Operating Voltage*

 # = P For Positive Ground Systems
(Leave Blank for Negative Ground Systems)

What is the Hazard?

Electrical storms pose a special threat to DC powered equipment and DC power lines. This would include equipment connected to batteries, photovoltaic cells, battery chargers and DC buses.

Lightning can induce electrical surges and transients of incredible destructive force, having thousands of volts and hundreds of joules, in a span of a few microseconds. Other harmful transients are man-made: utility switching, in-house switching, motors and machinery. All of these transients can degrade and damage unprotected equipment.

What is the Solution?

There is a device that provides absolute protection for DC equipment, the SP-DC manufactured by LEC. The SP-DC protects against both the high-energy, fast-rising transients and the slower high-energy impulses.

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