

# LIGHTNING ELIMINATORS

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## TLX 50-DC®

### Transient Limiter

Nipple-Mounted Surge Protector for DC photovoltaic applications

### Effective

50,000 amps of protection in all modes: DC+ to G, DC- to G, DC+ to DC-

### Versatile Type 1 SPD

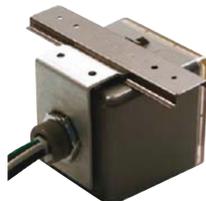
Provides a wide variety of voltages and configurations for any application: industrial, commercial, or residential. Can be installed upstream or downstream of main disconnect.

### Tri-Mount Installation Kit Included

Lightning induced surges, transients and



Std. 3/4"-14" Nipple



DIN-rail Mount (rail not incl.)



Bracket Mount for flat surfaces

**other power anomalies can easily degrade** or destroy unprotected electronics and computer equipment. Suitable for all DC PV applications, the TLX50 line of nipple-mounted surge protection devices (SPD) protect sensitive electronics from these damaging transients and high-energy disturbances. All models feature watertight, dust proof, NEMA 4X enclosures.



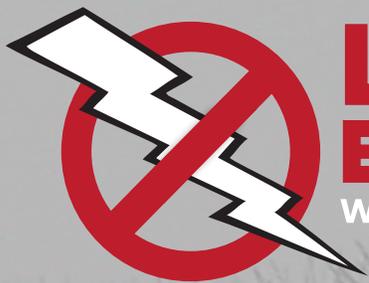
The TLX50 line can be used **indoors or outdoors**, mounted to the electrical panel through a direct nipple connection. The LED status indicator provides a quick visual diagnostic.

*"All of our TLX50 surge protectors are backed by a 2-year manufacturer's warranty."*

**TLX50 surge protectors are fully automatic, reacting immediately to stop damaging surges**, with no restriction on the amount of load current. These compact and durable devices offer cost-effective, high-capacity protection along with application versatility - features that make the TLX50 line of surge protectors the ultimate solution to your surge protection needs.



Made in the U.S.



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## Configurations

Model No.	System Voltage & Configuration
TLX50-300-DC	0-300-VDC
TLX50-600-DC	0-600-VDC
TLX50-1000-DC	0-1000-VDC

## Operating Parameters

<b>Surge Capacity per Phase</b>	50kA 8x20µs Per Mode
<b>Modes Protected</b>	ALL
<b>Indication</b>	Color LED
<b>Temperature Limits</b>	-40 C to 60 C
<b>Relative Humidity Range</b>	0-95% Non-Condensing
<b>Frequency</b>	DC
<b>Response Time</b>	<1ns
<b>Enclosure</b>	NEMA 4X Polycarbonate
<b>UL 1449 3rd Edition Listed</b>	Yes (Sept. 2009)
<b>Warranty</b>	2 years
<b>Pigtail Wire Sizes</b>	#8 AWG, 36" length #6 AWG ground
<b>Type 2 Connection</b>	#8 AWG/40A Breaker
<b>Code Compliance</b>	UL, ANSI/IEEE, NEMA, NEC, IEC, CE, ISO 9001:2000

## TLX50 Performance Data

Model No.	TLX-50-300-DC	TLX-50-600-DC	TLX-50-1000-DC
DC Voltage	0-300Vdc	0-600Vdc	0-1000Vdc
Maximum Continuous Operating Voltage	424Vdc	905Vdc	1188Vdc
Voltage Protection Level (up) @ 6kV/3kA	<1000Vp	<2000Vp	<2500Vp

**Option Suffix:**  
G = for grounding  
DC+ Terminal of System

## Dimensions

