



## SPECIFICATIONS

### EP-2900

### MAIN GATE PROTECTION

The EP-2900 and EP-2900 MAX are designed to meet the standards of the most punishing electrical environments. Its modular design provides an interchangeable footprint to meet the needs of filtering and surge suppression in any facility. Each modular component is integrated with the EP's patented "surge removal technology" that removes and dissipates the most common problems that affect today's technology.

#### THE EP-2900 FEATURES:

- Individually fused MOVs
- Individually monitored MOVs with LED indicators
- Active sine wave tracking filter
- Surge attenuation and removal from electrical distribution system
- No additive harmonic distortion
- Capable of surviving 1000 C3 category surges
- Modular Design



Pictured: The EP-2900 MAX

#### EP-2900 & EP-2900 MAX GENERAL SPECIFICATIONS

##### OPERATING FREQUENCY

45 - 65 Hz

##### FREQUENCY ATTENUATION

-20 dB per decade roll off at 800 Hz

##### MAX SURGE CURRENT

320 kA per mode

##### MCOV

18 to 50% above rated voltage

##### SAFETY APPROVALS

UL 1449 2nd Edition TVSS Testing

CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986

##### SAFETY RATINGS

Fire Rating 94V-0

##### OPERATING ENVIRONMENT

Temperature: Approximately -25° C to 65° C      Humidity: 0-95%

##### RESPONSE TIME

Primary Response Time: Instantaneous

Key Event Time: Approximately 1 Nanosecond

##### COMPLIANCE

NEMA LS-1, NEC Surge Suppression Standards, Electrical Notice 516

##### CONNECTION

2 AWG Wire (Run by the electrician installing the unit) into a 100 A Panel Board breaker

##### MATERIALS

External Case: NEMA 4 steel case, dust-proof, with no ventilation openings. Case is for indoor or outdoor use, and provides a degree of protection against weather and incidental dirt, water and ice exposure. Factory high-pot tested before shipment.

##### ACCESSORIES

Red LED indicates failure mode

##### DIMENSIONS & WEIGHT

EP-2900:      Width: 16"   Height: 24"   Depth: 8"   Weight: 60 lbs.

EP-2900 MAX:      Width: 24"   Height: 24"   Depth: 12"   Weight: 107 lbs.

#### FEATURES ADDITIONAL TO THE EP-2900 MAX:

- EP-2700 (3) High Frequency Filtration
- Audible Alarm Signaling Failure Mode
- N.O. Dry Contact rated at 250 V 5 A
- True Surge Event Counter

# PRODUCT PERFORMANCE

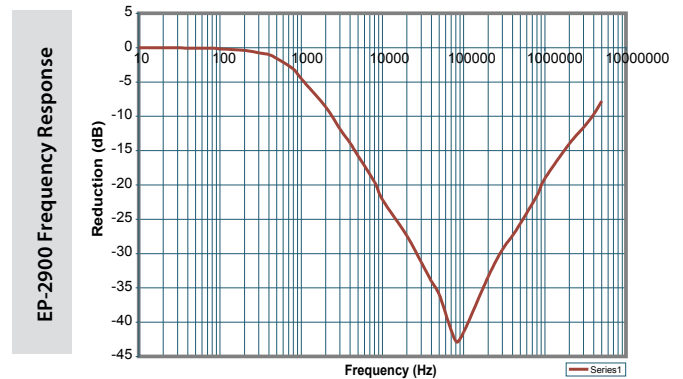
## EP-2900 & EP-2900 MAX MAIN GATE PROTECTION

### EP-2900\*

The EP-2900 utilizes the compound result of multiple EP-2500 modules applied at a single entry point.

THE EP-2500 absorbs, dissipates and removes with increased capacity transient voltage surges and spikes, high frequency noise and ring waves.

- Protects against external events, such as lightning, capacitor switching and transformer failure.
- Absorbs and dissipates energy within the unit.
- Energy is not shunted to the ground.

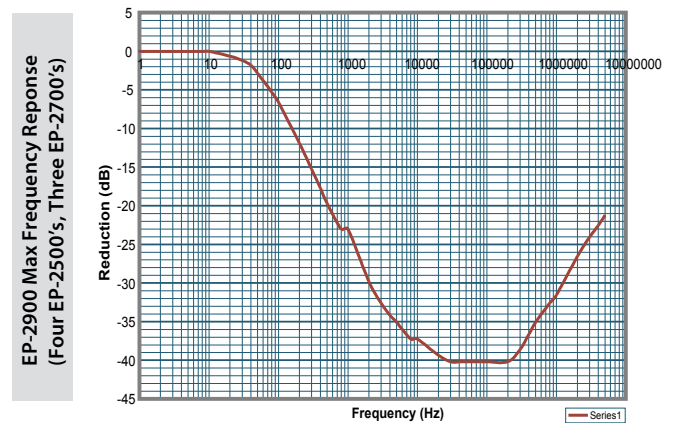


### EP-2900 MAX\*

The EP-2900 utilizes the compound result of multiple EP-2500 and EP-2700 modules applied at a single entry point, providing exceptional High Frequency Noise filtration.

EP-2700 is a constantly-on high frequency noise filter which complements the EP-2500 by supplying additional filtering where there is a high level of high frequency noise pollution.

- Filters high frequencies starting at 200 Hz.
- Absorbs and dissipates energy within the unit.
- Energy is not shunted to the ground.



\*Note: Comparison charts are unavailable as Legacy TVSS or SPD's do not provide this functionality.

### EP-2900 PRODUCT LIST

VOLTAGE	CONFIGURATION	WIRES	PRODUCT #	MCOV	CLAMPING V
120 V	(5) Single Phase	2+Ground	<a href="#">EP29001205</a>	150 V	395 V
120/208 V	(1) Wye	4+Ground	<a href="#">EP29001201</a>	150 V	395 V
120/240 V	(3) High Leg Delta	4+Ground	<a href="#">EP29001203</a>	150 V 300 V	395 V 775 V
240 V	(2) Delta	3+Ground	<a href="#">EP29002402</a>	300 V	775 V
277/480 V	(1) Wye	4+Ground	<a href="#">EP29002771</a>	360 V	910 V
347/600 V	(1) Wye	4+Ground	<a href="#">EP29003471</a>	420 V	1120 V
480 V	(2) Delta	3+Ground	<a href="#">EP29004802</a>	575 V	1570 V
600 V	(2) Delta	3+Ground	<a href="#">EP29006002</a>	750 V	1980 V