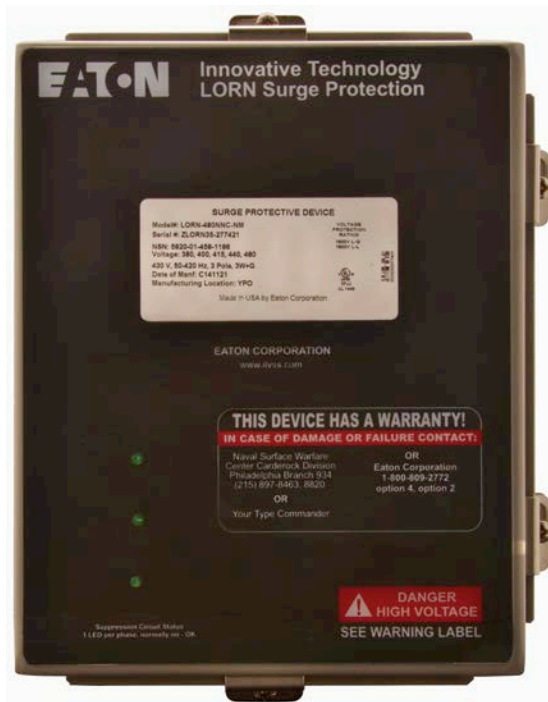


LORN surge protective device (SPD)

Innovative Technology



Marine-grade SPD



Harsh environmental conditions and increasing onboard technology present challenges for maintaining reliable power aboard a vessel or a rig. Whether a modest commercial vessel or vast, multi-level cruise ship, one small power transient can impact critical safety and navigation equipment. Whatever your application, Eaton's marine-grade surge protection solutions provide robust protection against unpredictable power events to maintain smooth sailing.

Features

- 20-year replacement warranty
- Unit listings: UL® 1449 4th Edition, cUL®, UL
- UL 1283 5th Edition filter
- ABS type approval
- Powder-coated steel, weatherproof; NEMA® Type 4
- Internally threaded conduit fitting and multi-point mounting feet
- Operating temperature: -40 °F to +185 °F
- Designed and manufactured in accordance with American Bureau of Shipping requirements

Innovative Technology marine SPD

The LORN series of SPDs has been specifically designed and tested for marine environments. Eaton's Innovative Technology SPDs help protect vital pieces of equipment, safeguard personnel and minimize downtime.

Preventing downtime, degradation and disruption

Not every SPD can withstand a marine environment. High vibration, mechanical shock and corrosive materials can wreak havoc on equipment not designed for marine applications.

Return on investment

A LORN SPD provides the highest return on investment of any piece of power quality equipment and should be the first step in managing shipboard power quality. The LORN solution is also easy to install and requires no regular maintenance.



PROTECTOR

CORPORATE HEADQUARTERS
5805 S. Gordon Ave • Tampa, Florida 33611
813-805-9506 • Fax 813-837-5754
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<http://www.apowersystems.com>

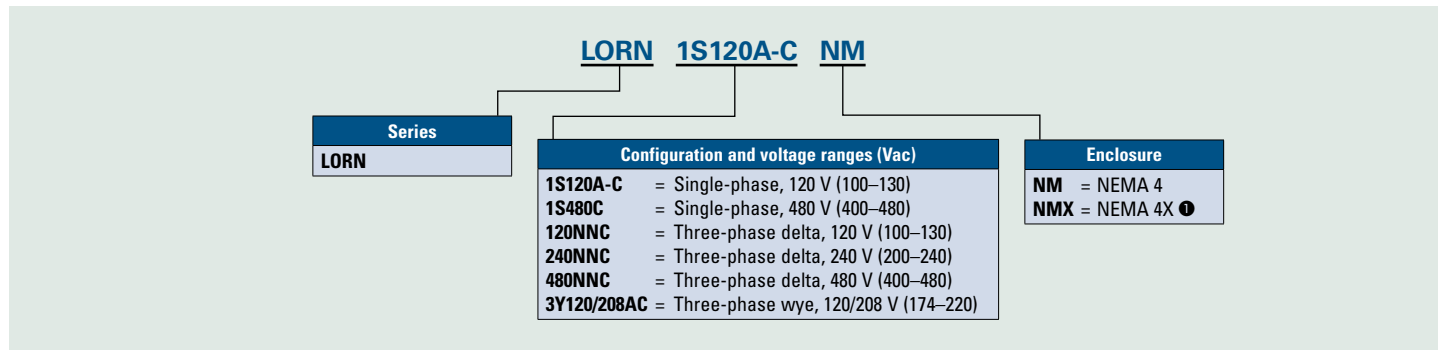
Specifications

Description	Specification
Peak surge current	
LORN-1S120AC-NM	160 kA per phase
LORN-1S120A-C-NMX	160 kA per phase
LORN-1S480C-NM	160 kA per phase
LORN-120NNC-NM	120 kA per phase
LORN-120NNC-NMX	120 kA per phase
LORN-240NNC-NM	120 kA per phase
LORN-480NNC-NM	120 kA per phase
LORN-480NNC-NMX	120 kA per phase
LORN-3Y120-208AC-NM	160 kA per phase
Warranty	20-year replacement
Unit listing	UL 1449 4th Edition and UL 1283 5th Edition
System voltages	
Single-phase	120/240 V, 480 V
Three-phase wye	120/208 V
Three-phase delta	120 V, 240 V, 480 V
Manufacturer qualifications	ISO® 9001 ISO 14001
Input power frequency	10–2240 Hz
Response time	≤1 nanosecond
Protection modes	
Single-phase 120 V	L-G, L-L
Three-phase wye	L-L, L-N, L-G, N-G
Three-phase delta	L-G, L-L
Circuit diagnostics	LED indicator, 1 per phase
Internal protection	Internal, replaceable, 30 A
Operating temperature	–40 °F to +180 °F

Ordering guidelines

Voltage configuration	Voltage level	Enclosure	Part number
Single-phase	120	NEMA 4	LORN-1S120AC-NM
	120	NEMA 4X	LORN-1S120A-C-NMX
	480	NEMA 4	LORN-1S480C-NM
Three-phase delta	120	NEMA 4	LORN-120NNC-NM
	120	NEMA 4X	LORN-120NNC-NMX
	240	NEMA 4	LORN-240NNC-NM
	480	NEMA 4	LORN-480NNC-NM
	480	NEMA 4X	LORN-480NNC-NMX
Three-phase wye	208	NEMA 4	LORN-3Y120-208AC-NM

Catalog numbering system



❶ Only available in split-phase 120 V, three-phase delta 120 V, and three-phase delta 480 V.



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