

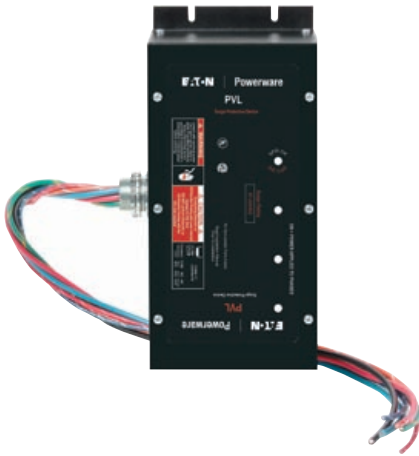


Powerware

Powerware® PVL

Product Focus

Surge Protective Device



Surge Protective Device to Prevent Downtime or Equipment Damage

Powerware PVL is our standard surge protective device (SPD) that combines surge suppression components and EMI/RFI filtering to provide effective protection for sensitive electronic loads. Surges — also known as transients — due to lightning, utility grid switching, switching of external/internal inductive or capacitive loads and other sources travel on power line conductors throughout the electrical distribution system, causing system operating problems and equipment downtime.

Six surge current ratings are available to meet a variety of applications — 50, 80, 100, 120, 160, and 200 kA/ phase.

Powerware PVL Features

- SurgePlane™ technology to ensure reliability and performance by using a low impedance copper platform
- Compact design that enables close mounting to electrical distribution equipment
- Parallel hybrid filter technology
- Individually fused surge suppression components
- Status indicator lights to monitor supply power, surge suppression component status, and fusing
- Remote monitoring capability using Form C contacts
- Audible alarm
- Ideal for OEM panel applications
- Proven track record in international applications
- Independently tested at lightning laboratories to verify published surge current ratings
- UL 1449 Second Edition Listed, UL 1283 Listed, CSA Approved, CE Marked

A leading global provider of power quality and management solutions, Eaton addresses the needs of today's digital economy through our comprehensive line of Powerware solutions. We have applied our extensive power quality experience to the development of the Powerware PVL.

PVL SPECIFICATIONS	PVL050	PVL080	PVL100	PVL120	PVL160	PVL200
Surge Current Per Phase	50 kA	80 kA	100 kA	120 kA	160 kA	200 kA
Surge Current Per Mode	25 kA	40 kA	50 kA	60 kA	80 kA	100 kA
Let-through Voltage Ratings						
IEEE Cat C3 Combination Wave (20 kV, 10 kA)	655V	655V	655V	655V	655V	655V
IEEE Cat C1 Combination Wave (6 kV, 3 kA)	440V	440V	440V	440V	440V	440V
IEEE Cat B3 Ringwave (6 kV, 500A, 100 kHz)	380V	380V	380V	380V	380V	380V
UL 1449 2nd Edition (6 kV, 500A) (L-N mode 120/208V)	500V	500V	500V	500V	500V	500V
Filter Attenuation						
(MIL-STD-220A@100 kHz)	0-40 dB	0-40 dB	0-40 dB	0-40 dB	0-40 dB	0-40 dB
Multiple Surge Withstand Capabilities						
(IEEE C3 Wave 20kV, 10 kA)	>1500	>1500	>1500	>1500	>1500	>1500
Circuit Construction						
	Surge-Plane	Surge-Plane	Surge-Plane	Surge-Plane	Surge-Plane	Surge-Plane
UL 1449 Second Edition, UL 1283 Listed, CSA Approved, CE Marked						
	Yes	Yes	Yes	Yes	Yes	Yes
Enclosure						
NEMA 1	Standard	Standard	Standard	Standard	Standard	Standard
Warranty						
	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years

† Contact Eaton for let-through voltage ratings for other system voltages. All PVLs have been independently tested to verify all suppressor components can survive published surge current ratings. Test documents are available upon request.

PHYSICAL SPECIFICATIONS

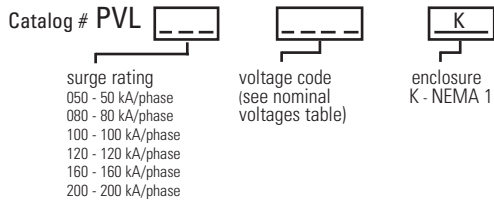
Temperature	-40° to 60°C
Altitude	<13,000 feet (4,000 m)
Dimensions	5.1" x 11.6" x 2.6" (130mm x 295mm x 67mm)
Weight	3.5 lbs (1.6 kg)

NOMINAL VOLTAGES

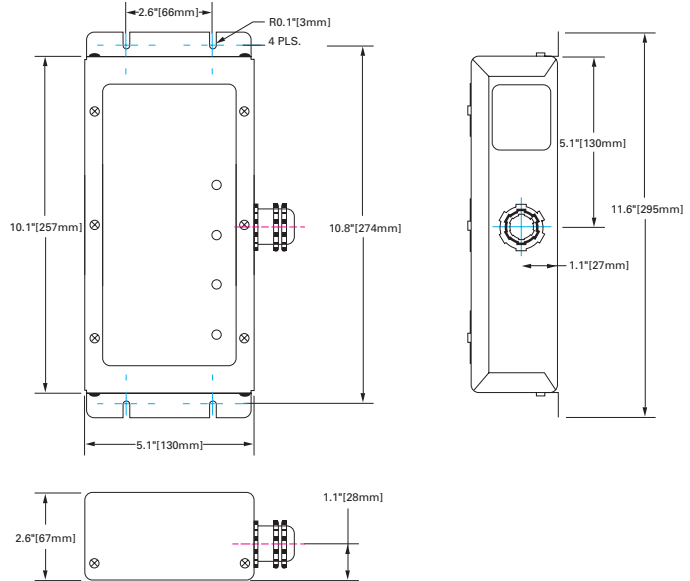
(Use these codes to complete the model number)

	VOLTAGE CODE	
	120/208	277/480
	240V	480V
120/240 Single/Split-phase (3W plus G)	240S	
Three-phase Wye (4W plus G)	208Y	480Y
Three-phase Wye (3W plus G)	240D	480D

Powerware PVL Ordering Guidelines:



Below are dimensions for standard Powerware PVL suppressor.



UNITED STATES
8609 Six Forks Road
Raleigh, NC 27615 U.S.A.
Toll Free: 1.800.356.5794
or 919.872.3020

www.powerware.com

CANADA
Ontario: 416.798.0112

LATIN AMERICA
Argentina: 54.11.4343.6323
Brazil: 55.11.3616.8500
México: 52.55.5488.5252

EUROPE/MIDDLE EAST/AFRICA
Denmark: 45.3686.7910
Finland: 358.94.52.661
France: 33.1.6012.7400
Germany: 49.7841.666.0
Italy: 39.02.66.04.05.40
Norway: 47.23.03.65.50
Sweden: 46.8.598.940.00
United Kingdom: 44.1753.608.700

ASIA PACIFIC
Australia/NZ: 61.2.9693.9366
China: 86.21.6361.5599
HK/Korea/Taiwan: 852.2745.6682
India: 91.11.2649.9414 to 18
Singapore/SEA: 65.6829.8888

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