

# PSITampa XNL-P Family

## 7-Mode Hardwired Primary AC Surge Protection Device



▶ The Full Featured XNL-P Family is a high performance surge protector designed for critical panel locations. The SPD incorporates high-energy MOVs with the best performing AC filter on the market to provide protection against transients originating from induced lightning strikes, utility switching and facility power noise.

Real-time diagnostics include LED fault indicators for each phase, as well as an optional alarm that includes red LED, dual Form C dry contacts for remote indication and an audible alarm, so you always know the XNL-P Protector is at full capacity.

Housed in a rugged NEMA 12/4X enclosure, these devices are suitable for harsh indoor or outdoor applications. The XNL-P Family is available for all voltages and configurations up to 480Vac.

### EXAMPLE: XNL-P200-120/208-3GY

Wall mounted protector at 200kA/mode

\*Type 1 configuration requires installation of a 30 A surge-rated fuse set.

#### FEATURES:

Surge Rating (kA) by Mode:	050, 080, 100, 125, 160, 200
Surge Rating (kA) by Phase:	100, 160, 200, 250, 320, 400
Enclosure Type:	Plastic NEMA 12/4X – Standard no option code Stainless Steel - SS

Optional Alarms	Alarm LED, Remote Relay & Audible	– A
Optional Filter	–45 dB EMI / Noise Filter	– F
Optional Counter(s)	Surge Counter(s) – C1 (resettable)	
Optional Fuseable		
Optional Mounting	Bottom Feed Standard	

#### ▶ AC PANEL PROTECTION

- Available in 050, 080, 100, 160, 200 kA per modes
- All modes of protection
- 200 kAIC Fault Current Rating
- Advanced EMI/RFI Noise Filtering (-45dB) 3kHz - 1MHz
- 15-Year Product Warranty
- 3rd Party Tested - 15,000 (C3 20 kV/10 kA)
- Optional 30amp fuse allows direct connect to power bus

#### ▶ CHARACTERISTICS

Surge Handling (Imax)	Up to 300 kA/mode 600kA/phase
All Mode Protection (10 modes)	L-N, L-G, N-G, L-L
Response Time	<5 nanoseconds MOV
Technology	
Green LED Indicators	Yes
EMI/RFI Noise Rejection (option)	-45dB and -55dB (see chart)
Surge Counter (s) (Option)	8-digit resettable transient counter
Dual Optional Alarms	
Red LED	Yes
Remote Signalling Audible	Form C dry contacts – NC & NO With Shut-off Switch

#### ▶ STANDARDS & GUIDELINES

Listed by ETL for UL 1449 4th edition	USA
ANSI/IEEE C62.41	USA
Listed by ETL for UL 1283 Power Filters	USA
3rd Party to IEC61643-11 CE Mark International	

#### ▶ RECOMMENDED LOCATION

- Type 1 & Type 2 Locations\*
- Cell Sites, Well Pumps / Cat C
- Distribution Equipment / Cat B
- Branch Panels / Cat B
- Point of Use / Cat A, B, C
- Residential / Cat C
- Service Entrance / Cat C
- Distribution Panels / Cat C & B

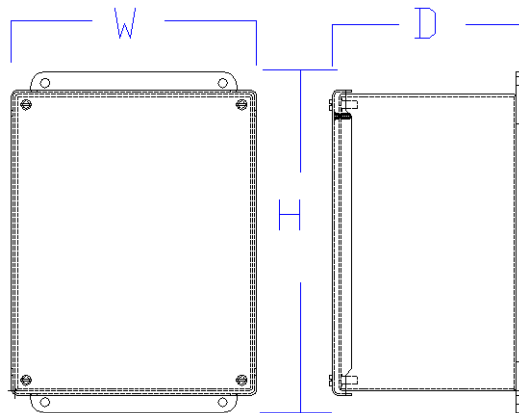
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Surge Voltage Rating (6 kV / 3000 A Combination Waveform) - UL1449 3rd edition						
Model No.	System Voltage	MCOV	L-N	L-G	N-G	L-L
XNL-P200-120-1G	120 VAC	150	700	700	700	1200
XNL-P200-240-1G	240 VAC	320	1000	1000	1000	2000
XNL-P200-120/240-2G	120/240 VAC	150	700	700	700	1200
XNL-P200-120/208-3GY	120/208 VAC	150	700	700	700	1200
XNL-P200-220/380-3GY	220/380 VAC	320	1000	1000	1000	2000
XNL-P200-277/480-3GY	277/480 VAC	320	1000	1000	1000	2000
XNL-P200-120/240-3GH	120/240 VAC High Leg	150/320	700/1000	700/1000	700	1200
XNL-P200-240-3DG	240VAC	320	-	1000	-	2000
XNL-P200-380-3DG	380 VAC	625	-	1600	-	3200
XNL-P200-480-3DG	480 VAC	625	-	1600	-	3200

7 Mode XNL-P200 Model Numbers		
Model No.	System Voltage	Service Configuration
XNL-P200-120-1G	120 VAC	1 PHASE, 2 WIRE, W/GROUND
XNL-P200-240-1G	240 VAC	1 PHASE, 2 WIRE, W/GROUND
XNL-P200-120/240-2G	120/240 VAC	1 PHASE, 3 WIRE SPLIT PHASE, W/GROUND
XNL-P200-120/208-3GY	120/208 VAC	3 PHASE, 4 WIRE WYE, W/GROUND
XNL-P200-220/380-3GY	220/380 VAC	3 PHASE, 4 WIRE WYE, W/GROUND
XNL-P200-277/480-3GY	277/480 VAC	3 PHASE, 4 WIRE WYE, W/GROUND
XNL-P200-120/240-3GH	120/240 VAC B PHASE IS 208V	3 PHASE, HIGH-LEG DELTA, W/GROUND
XNL-P200-240-3DG	240VAC	3 PHASE, 3 WIRE DELTA, W/GROUND
XNL-P200-380-3DG	380 VAC	3 PHASE, 3 WIRE DELTA, W/GROUND
XNL-P200-480-3DG	480 VAC	3 PHASE, 3 WIRE DELTA, W/GROUND

▶ Power Quality is more important today than ever before and that means not just any surge protector can be relied on to protect your sensitive equipment. The XNL-P Family of surge protectors is the perfect design to protect your sensitive electrical and electronic environments.



### ▶ DIMENSIONAL SPECIFICATIONS

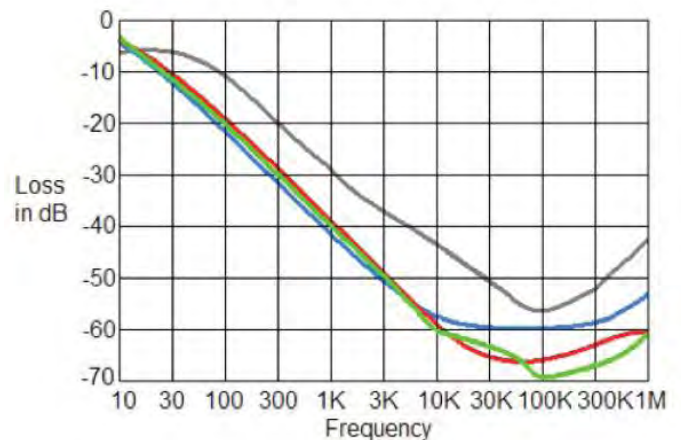
Dim	XNL-P – with Special Options*		Dim	XNL-P – 200	
H3	15.50	(393.7)	H3	10.00	(254)
W1	12.00	(304.8)	W1	8.00	(203.2)
D	6.20	(157.5)	D	6.00	(154.2)

\*With Advanced Filter Option  
ALL MEASUREMENTS IN INCHES (MM)

## TECHNICAL INFORMATION

### ▶ ELECTRICAL SPECIFICATIONS

Connection Method	Parallel
Discrete Protection Modes (7)	L-N, L-G, N-G
Protection Modes (10 Modes)	L-N, L-G, L-L, N-G
Pre-Wired	30" Stranded #10 AWG
Status Indicators	Green LED
Optional EMI Filter	-45 dB Noise Reduction
Optional Alarm Relay Contacts	Form C NC & NO
Optional Red LED	Indicates Red when unit is in alarm
Optional Audible Alarm with Silence Switch	Piezo Buzzer



Red & Green lines represent the XNL-P Advanced Filter Option when compared to leading filter manufacturers.

### ▶ MECHANICAL SPECIFICATIONS

Weight	15 lbs
Standard Enclosure	Plastic NEMA 12 / 4X
Operating Temp	-40C to +65C
Non-condensing Humidity	5% to 95%
Bottom Fed is Standard	
100% Sanded for Increased Safety	

SHIPPING SPECS: 34-38 lbs Standard Box 13" x 11" x 9"