



Power Quality Distribution Panel

PNL

The TPD-PNL is a power quality distribution panel with built-in surge protection with EMI/RFI filtering.



TPD-PNL-24S



TPD-PNL-12S

TPD-PNL Power Quality Distribution Panel

The TPD-PNL combines power distribution, two integrated protection modules, and electrical noise filtering in one indoor panel. Designed for residential 120/240V systems, it helps protect connected equipment from transient voltage surges while reducing electrical noise.

Integrated Surge Protection

Two UL 1449 listed surge protection modules, each connected through its own dedicated breaker.

EMI/RFI Filtration

Built-in UL1283 listed EMI/RFI filter conditioning power for connected equipment.

TPD-PNL Series Specifications*

Model #	Panel Spaces	Included Breakers	Dedicated Surge Breakers	System Voltage
TPD-PNL-12C	12	10	2 Single-Pole	120/240 VAC
TPD-PNL-24C	24	22	2 Single-Pole	120/240 VAC

*Specifications subject to change without notice, see our website for latest revisions and additional information.

Tech Note: Two standard single-pole breakers are dedicated to the integrated surge protection.

Panel Specifications

Construction

Main Lug Only
Metallic, NEMA 1 Indoor Enclosure
Custom Black Exterior Finish

Electrical System

120/240V, 3W+G, Max 125 Amp

Base-Panel Certifications

UL50 and UL67

Compatible Breaker Family

Eaton Type BR, 1-inch Breakers

Short Circuit Interrupt Rating

10kAIC

Mounting Method

Surface or Flush Mount

Dimensions

12 Circuit: 16.75" x 14.31" x 3.88"

24 Circuit: 23.00" x 14.31" x 3.88"

Assembled Weight

12 Circuit: 26 lbs.

24 Circuit 37 lbs.

Surge Protection Specifications

Compliance

UL1449 5th Edition Listed
UL1283 Listed EMI/RFI Filter

SPD Type

Type 1 and 2 SPD

Peak Surge Current

100kA Per Phase

Protection Modes

L-N, L-G, N-G, L-L

Dimensions Per Unit (2 included)

2.8"W x 4.8"H x 1.6"D each

Call Technical Support at **717-436-2856** or email info@tpdsurge.com
www.TransientProtectionDesign.com

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