Xenerpower Electrical
9202 Lambright RD, Houston, TX 77075
(281) 751-8868, admin@xenerpower.com
Website: Xenerpower.com

Data Sheet

PRODUCT DESCRIPTION

Xenerpower Series: **Pad Mounted Transformer Single-Phase**
Product Model: **PDM1-75kVA-7200LN/(120-240)-AMZ-SD**
Basic Price .....

PRODUCT IMAGES[1]





KEY FEATURES

- **Reliable Design**: Fluid-filled, single-phase transformer designed for underground power distribution
- **Fully Sealed and Insulated**: Provides robust personal safety without additional insulation spacing

[1] Images are for reference only, real product may differ

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- **Superior Performance**: Features low-loss design, minimal noise, low-temperature rise, robust overload capability, and short-circuit resistance
- **Typical Connections:** Dead front for High Voltage, and Live Front for Low Voltage
- **Standards Compliance**: Meets ANSI C57.12 Series, DOE 2016 efficiency requirement, and related NEC, NEMA standards. Products are US certified
- **Physical Features**: Lifting lugs, bolted GND terminals, hinged doors, automatic relief, and anti-corrosion surface finish
- **Customizable Input/Output**: Meets diverse high-voltage and low-voltage specifications with custom options

PRODUCT SPECIFICATIONS[2]

Main Technical Parameters

Capacity:	75 kVA
High Voltage Rating:	12,470 GrdY / 7,200 LN
HV BIL:	95 kV
Low Voltage Rating:	120-240 V, Split-phase, Center tap
LV BIL:	30 kV
Frequency:	60 Hz
Temperature Rise:	65 °C over ambient
Sound Level:	≤ 50 dBA @ 3 ft
Impedance Rating (Z%):	3.25 % (± 7.5%)
Electrical Effeciency: [3]	99.19 %

General Information

Overall Dimensions:	26” x 27” x 43” (W x D x H)
Enclosure Rating:	NEMA 3R weatherproof
Paint Color:	Munsell Bell/Utility Green 7GY 3.29/1.5
Whole Weight:	1,764 lb
Fluid Capacity:	220 gal
High Voltage Terminals:	Loadbreak 200A elbow insert x 2
Low Voltage Terminals:	Plastic Molded Tri-clamp Bushing 1.2kV600A x 3
Primary Tap Changer:	5 positions, ±2.5% x 2
Ambient Temperature Rating:	40 °C
Ambient Elevition Rating:	3,300 ft

Optional and Affective Items

Winds Material:	A - Aluminum
Insulated Fluid Type:	M - Mineral Oil Type II
Cooling Class:	ONAN - Oil Natural / Air Natural
Housing Material:	Z - Coated steel

[2] Specifications are subject to change without notice
[3] Efficiency is measured at 50 percent of nameplate-rated load based on 55 °C reference temperature.

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Design Spec.:	SD - Standard Design
US or Other Certified:	US Certified

Protection & Accessories

Bayonet Fuse:	Side-mounted bayonet fuse link included
Current Limited Backup Fuse:	Immersed CL backup fuse included
Surge Arrestor:	Optional elbow surge arrestors at high voltage side
Pressure Relief Device:	Automatic action pressure relief valve included
Liquid Level Gauge:	Included with dry contact signal
Fill Port:	Global valve included
Drain Port:	Global valve with sampler port included
Operation Tool:	Optional insulated operating rod

ADDITIONAL COMMENTS FOR SPECIAL REQUEST