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

Data Sheet

PRODUCT DESCRIPTION

Xenerpower Series: **Pole Mounted Transformer 1-Phase**
Product Model: **PLM-50kVA-6900LN/(120-240)-AMZ-SD**
Basic Price .....

PRODUCT IMAGES[1]





KEY FEATURES

- **Compact and Cost-Effective**: Designed for pole-mounted installations, ideal for minimal infrastructure investment.
- **Wide Application**: Suitable for agricultural, rural, urban lighting, and railway power systems.
- **Advanced Design**: Energy-efficient rolled-core structure with excellent overload capability and ease of maintenance.

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

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

Data Sheet

- **Superior Performance**: Features low-loss design, minimal noise, low-temperature rise, robust overload capability, and short-circuit resistance
- **Typical Connections:** Porcelain Bushing, Top-mounted for High Voltage, and Side-mounted for Low Voltage
- **Standards Compliance**: Meets ANSI C57.12 Series, DOE 2016 efficiency requirement, and related NEC, NEMA standards.
- **Physical Features**: Lifting lugs, bolted GND terminals, 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:	50 kVA
Primary Voltage:	11,950 / 6,900 V Wye
Primary Phasor (H1-H2):	Wye, Line-Neutural
Primary BIL:	95 kV
Secondary Voltage:	120-240 V, Split-phase, center tap
Secondary BIL:	30 kV
Frequency:	60 Hz
Temperature Rise:	65 °C over ambient
Sound Level:	≤ 44 dBA @ 3 ft
Impedance Rating (Z%):	2.28 % (± 7.5%)
Electrical Effeciency: [3]	99.11 %

General Information

Overall Dimensions:	30” x 27” x 34” [4] (W x D x H)
Paint Color:	ANSI 61 Gray
Radiator:	N / A
Whole Weight:	716 lb
Fluid Capacity:	33 gal
High Voltage Terminals:	Top-mounted Porcelain bushing 15kV 50A x 2
Low Voltage Terminals:	Side-mounted Porcelain Bushing 800A 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

[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.
[4] The size includes connectors and lugs, and may increase with the addition of some options

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

Data Sheet

Cooling Class:	ONAN - Oil Natural / Air Natural
Housing Material:	Z - Coated steel
Design Spec.:	SD - Standard Design
US or Other Certified:	Optional

Accessories

Pressure Relief Device:	Automatic action pressure relief valve included
Fill Port:	Included
Surge Arrester:	Optional surge arresters at high voltage side

ADDITIONAL COMMENTS FOR SPECIAL REQUEST