Xenerpower USA
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(281) 751-8868, admin@xenerpower.com
Website: Xenerpower.com

Data Sheet

PRODUCT DESCRIPTION

Xenerpower Series: **MV Cast Resin Transformer 3-Phase**
Product Model: **SCLB-300kVA-34500Y/480Y-AZ**
Basic Price ..... **$**

PRODUCT IMAGES[1]



KEY FEATURES

- **Energy Efficient**: Delivers cost-effective operation through reduced energy losses.
- **Safety and Reliability**: Flame-retardant, explosion-proof, moisture and pollution resistant for safe installation near load centers.
- **Robust Construction**: Epoxy resin cast winding with high mechanical strength and excellent short-circuit and lightning impulse resistance.
- **Noise Reduction**: Optimized design with high-quality silicon steel for minimal operational noise.
- **Strong Overload Capability**: Features H class insulation for enhanced performance and safety.
- **Low Maintenance**: Oil-free design allows for easy maintenance and quick return to operation.

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

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- **Durable Enclosures**: Stainless steel, cold-rolled steel, or aluminum alloy casings provide effective heat dissipation.
- **Standards Compliance**: Meets ANSI C57.12 series, DOE 2016 and related NEC, NEMA standards. Products are US certified.

PRODUCT SPECIFICATIONS[2]

Main Technical Parameters

Capacity:	300 kVA
Primary Voltage:	34,500 / 19,920 V Wye
Primary BIL:	150 kV
Secondary Voltage:	480 / 277 V Wye
Secondary BIL:	10 kV
Vector Group:	YNyn0
Frequency:	60 Hz
Insulation Class:	180 °C (H)
Temperature Rise:	115 °C
Noise:	≤ 53 dBA @ 1 m
Impedance Rating (Z%):	5.00 % (± 7.5 %)
Electrical Effeciency: [3]	98.69 %

General Information

Enclosure Dimensions:	2,300 mm x 1,700 mm x 2,200 mm [4] (W x D x H)
Enclosure Rating:	NEMA 3R Weatherproof
Paint Color:	ANSI 61 Gray
Whole Weight:	2,196 kg
HV Connection Configuration:	Terminal bus bars with flexible orientation
LV Connection Configuration:	Terminal bus bars with flexible orientation
Primary Tap Changer:	5 positions, ±2.5% x 2
Ambient Temperature Rating:	40 °C
Ambient Elevation Rating:	1,000 m
Windings Material:	A - Aluminum
HV Winding Configuration	Vacuum Epoxy Resin Casting
LV Winding Configuration	Pre-impregnated Dry-type Winding
Cooling Class：	AN (Self-cooled with natural air)
Housing Material:	Z - Coated steel
US or Other Certified:	US Certified
Cooling Fans w Temp. Ctrl.	N/A

[2] Specifications are subject to change without notice.
[3] Efficiency is measured at 50 percent of nameplate-rated load based on 75 °C reference temperature.
[4] Enclosure height may be reduced upon request. 2,200 mm is a standard height for busbar connections.