Advanced Power Solutions

11333 Addison Ave, Franklin Park, IL- 60131

(708) 450 0990

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TRANSFORMER INTEGRATED WITH PDU

Engineered with advanced aluminum foil winding technology, Isolation Transformers offer a lighter, more compact, and thermally efficient alternative to conventional copper-wound transformers. With enhanced insulation reliability, reduced maintenance requirements, superior heat management, and long-term operating efficiency, these transformers provide dependable power protection for critical commercial and industrial applications.

TECHNICAL DATA

Power Rating: 200 kVA to 1200 kVA Isolation Transformers

Phase: 3 Phase

Primary Voltage: 480V ; **Secondary Voltage:** 415/240V

Frequency: 60 Hz

Construction: Dry-Type Vacuum Impregnated, Core & Coil Design

Winding Conductor: Aluminum Foil Technology

Cooling Class: AN (Air Natural)

Insulation Class: Class F

Ingress Protection: IP20

Vector Group: Dyn1

K-Factor Ratings: K1, K4 & K9 Available

Efficiency: Up to 98.7%

Impedance: >4%

Temperature Rise: Ambient +40°C to +50°C depending on load conditions

Sound Level: NEMA TR-1 Compliant (62 dBA)

Neutral Capacity: 200% Neutral

Standards: IEEE C57.12.01 & UL Recognized Components

Enclosure: Powder-Coated Mild Steel Construction



Learn More

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WHY ALUMINUM FOIL TECHNOLOGY?

Aluminum Foil Isolation Transformers deliver a modern alternative to traditional copper wire wound transformers, offering superior thermal performance, lower weight, compact construction, and reduced total ownership costs.

KEY ADVANTAGES

OVER CONVENTIONAL COPPER-WOUND TRANSFORMERS

- Up to **58% lighter** than comparable copper-wound designs, simplifying installation and handling
- **More compact footprint**, reducing valuable floor space requirements
- **Lower operating temperatures** through foil winding technology and improved heat dissipation
- **Higher dielectric strength** with polyester film insulation versus traditional paper insulation
- **Reduced hot spots** and improved thermal stability for longer service life
- **Minimal humming and vibration**, providing quieter operation
- **Greater resistance to short-circuit** stresses and surge events
- **Low to zero maintenance** requirements, reducing lifecycle costs
- **Environmentally friendly** and highly recyclable materials
- Designed for **40+ years of reliable service life**

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