

DAELIM BELEFIC TRANSFORMER

- **Up to 345kV | 300MVA**

Compliance with NEMA, ANSI, IEEE, and DOE standards ensures quality and performance

- **15000⁺** *Installed and operating in NA*
- **1000⁺** *Single phase and three phase stock units*
- **Lightning** *Production time*



WHO WE ARE

Founded in April 2010, DAELIM BELEFIC GROUP is rapidly emerging as a leading force in the global transformer industry, integrating research and development, manufacturing, sales, and technical services. With two advanced manufacturing centers in China and the United States (Houston, Texas), we are well positioned to serve our growing global client base across more than 40 countries spanning North America, South America, Africa, and Europe.

We specialize in providing tailored energy solutions to meet the unique requirements of our clients. Our portfolio covers producing power transformers and distribution transformers that meet international standards, including ANSI/IEEE, IEC, and AS/NZ. Leveraging our strong presence in the United States and Canada, DAELIM BELEFIC is expanding rapidly into global markets. Our commitment to innovation, excellence and reliability drives us to continuously contribute to a cleaner, more sustainable energy future, positioning DAELIM BELEFIC as a trusted partner in the global energy sector.



• Building Area
60,000+ Square Meters



• Employees
300+



• Project per year
50,000+



• Export Countries
40+

Production and Test Ability:

1. Single phase pole/pad mounted transformer up to 333kVA 34.5kV.
2. Pad mounted transformer up to 10MVA 34.5kV.
3. Small substation transformer up to 30MVA 44kV.
4. Power transformer up to 300MVA 345kV.



For the past **20** years, we've successfully supported over **2,000⁺** project all over the world.
The main industry we focus on are following:



UTILITIES TRANSFORMERS



RENEWABLE ENERGY



DATA CENTER AND CRYPTO MINING



OIL & GAS INDUSTRY

PRODUCT INTRODUCTION



Power Transformer

Application: Data Center, Cryptocurrency Mining (Bitcoin), Public Utilities, Power Substation, Renewable Energy, Industry.

Capacity: 15MVA-300MVA

High Voltage: Up to 345kV

- Features:**
- Meets or Exceeds Industry Standards Including ANSI, NEMA.
 - Optional Non-PCB Mineral Oil or High Fire-Point FR3 Oil.
 - A Range of Customized Features to Maximize Performance.
 - Optimized, Consistent End-to-end Project Management.
 - Noticeably Shorter Production and Delivery Times.



Three Phase Oil Immersed Small Substation Transformer

Application: Data Center, Cryptocurrency Mining (bitcoin), Public Utilities, Power Substation, Renewable Energys, Oil and Gas, Industry.

Capacity: 750kVA-20,000kVA

High Voltage: Up to 44kV

- Features:**
- Optional Non-PCB Mineral Oil or High Fire-point FR3 Oil.
 - Meets or Exceeds Industry Standards Including ANSI, NEMA and DOE Energy Efficiency.
 - A Range of Customized Features to Maximize Performance.
 - Cores are Manufactured With Precision Cut, Burr-free, Grain-oriented Silicon Steel.
 - Rectangular Coil Configuration for Superior Short-circuit Strength and Maximum Efficiency.





Three Phase Pad Mounted Transformer



Application: Both Large and Small Utility Scale Applications.

Capacity: 75kVA-10MVA

High Voltage: Up to 34.5kV

- Features:**
- Compact and Reasonable Structure, Small Volume, Easy for Installation.
 - Fully Sealed, Fully Insulated Design, Reliable Guarantee for Personal Safety.
 - Optional Loop Feed and Radial Feed, A Variety of Power Supply Schemes.
 - Low Loss, Low Temperature Rise and Strong Overload Capacity.
 - Double Fuses (bayonet Fuse + ELSP Fuse) for Protection.

Single Phase Pad Mounted Transformer



Application: Both Large and Small Utility Scale Applications.

Capacity: 15kVA-333kVA

High Voltage: Up to 34.5kV

- Features:**
- Meets or Exceeds Industry Standards Including ANSI, NEMA and DOE Energy Efficiency.
 - Crowned Tank Top to Prevent Water Retention.
 - Removable Flip-top Hood Opens 180° for Easy Access with Stainless Steel Hinge Pins.
 - Externally Clamped High-voltage Bushing Wells for Loop Feed or Radial Feed Operation.
 - Multiple Fusing Options and Combinations, Including Internal and External Expulsion Fuse.

Single Phase Pole Mounted Transformer



Application: Both Large and Small Utility Scale Applications.

Capacity: 15kVA-333kVA

High Voltage: Up to 34.5kV

- Features:**
- Available Options of Conventional Type And CSP Type.
 - Available Option of FR3 Fluid for Increased Fire Safety or Electrical Grade Mineral Oil.
 - Meets or Exceeds Industry Standards Including ANSI, NEMA and DOE Energy Efficiency.
 - Cores and Coils Designed for High Reliability and Low Field Failure Rates.
 - High-voltage Bushing Design Improves Gasket Protection and Seal.

SUPPORTS & SERVICES



DB TRANSFORMER

Services



Large Inventory &
Fast Dispatch



24/7 Hotline &
Remote Assistance



Professional
On-site Support



Custom Design for
Every Application



Comprehensive
Warranty Coverage

Routine Testings

Ratio Tests On Connection
Load Loss Test
No-Load Loss and Excitation Current
Applied Potential Test
Resistance Measurements
Polarity and Phase Relation Test
Impedance Test
Induced Potential Test
Leakage Test

Type/Design Testings

Basic Impulse Insulation Level (BIL)
Partial Discharge
Temperature Rise Test
Sound Level Test

PROJECT CASES

230kV Three Phase Power Transformer in Nevada



9 Units 20MVA 13.8kV Delta to 25kV GrdY Substation Transformers for Oil&Gas Projects for TX, USA



515 Units Single Phase & Three Phase Pad Mounted Transformer for TX, USA



215 Units Single Phase Pad Mounted Transformer for Alberta, Canada





CESI



CONTACT US

Beijing, China

Tel: +86 150 1101 7180

Texas, USA

Tel: +1 6785485339

Spain, Europe

Tel: +86 196 0805 4890

Ecuador, Latin America

Tel: +593 993891230

Tajikistan, Middle Asia

Tel: +992 919500555

Web: www.daelim-electric.com www.daelimtransformer.com www.daelimbelefic.com

Email : sales@daelim-electric.com

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