

**Power Quality
and EMC Solutions**



The Enerdoor Group is an international leader in the development and production of power quality and electromagnetic solutions for automated machinery and industrial plants. The Group's broad range of products includes EMI/RFI filters, motor protection devices, harmonic filters, power transformers, voltage stabilizers, and custom solutions.

In addition to EMC solutions, Enerdoor offers a global distribution and R&D network that provides flat-rate on-site CE Certification required by IEC and EN Standards. Founded in 1992, The Enerdoor Group consists of Enerdoor in North America and Switzerland; Finmotor and Finlab in Italy; and Eichhoff Elektro in Hungary.

EMI/RFI Filters

Single-Phase Filters

Nominal Voltage: Up to 250 Vac

Nominal Current: 1 to 75 A

Three-Phase Filters

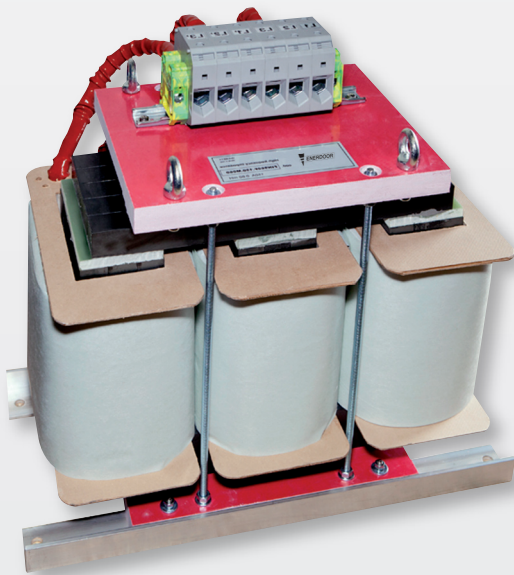
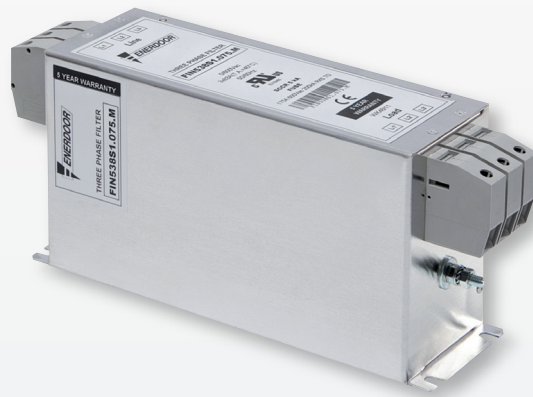
Nominal Voltage: Up to 750 Vac

Nominal Current: 5 to 3000 A

Three-Phase Filters Plus Neutral

Nominal Voltage: Up to 600 Vac

Nominal Current: 5 to 2000 A



Motor Protection

High-Frequency Inductance

Reference Voltage: Up to 690 Vac

Current Frequency: Up to 5 kHz

Rated Output Current: Up to 1000 A

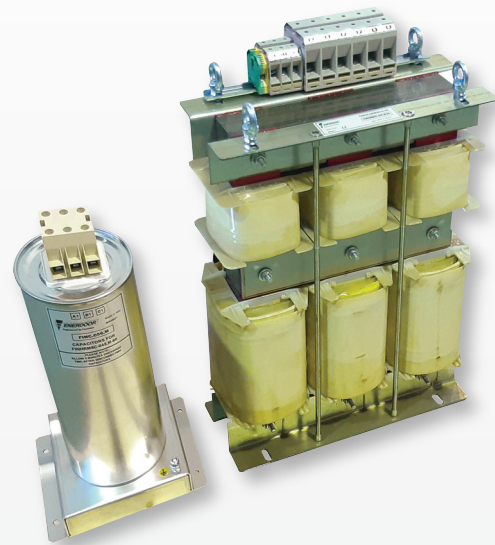
Sine Wave Filters

Reference Voltage: Up to 600 Vac

Rated Output Current: 5 to 1100 A

Snubbers

Reduces voltage peaks on the motor



Harmonic Filters

Passive Harmonic Filters

Nominal Voltage: Up to 690 Vac
Nominal Current: 16 to 800 A

Active Harmonic Filters & Static Var Generator

Nominal Voltage: Up to 690 Vac
Nominal Current: 25 A
Nominal Compensation: Up to 30 kVar

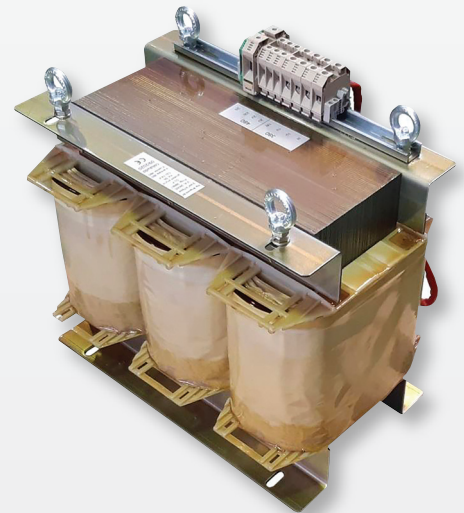
Line Reactors

Nominal Voltage: Up to 600 Vac
Nominal Current: 1 to 1500 A

Power Transformers

Single-Phase Transformers Three-Phase Isolation Transformers Autotransformers

Rated Power: Up to 225 kVA
Primary Voltage: Up to 10 kVac



Voltage Stabilizers

Single-Phase Stabilizers

Nominal Voltage: Up to 277 Vac
Rated Power: Up to 320 kVA

Three-Phase Stabilizers

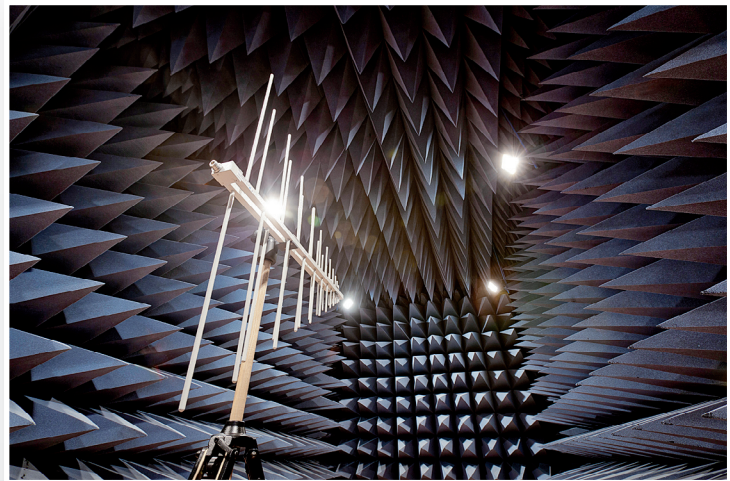
Nominal Voltage: Up to 600 Vac
Rated Power: Up to 4000 kVA



Testing, Support, and Training Services

As a global leader in EMC and power quality solutions for automation and industrial markets, Enerdoor extends its commitment through comprehensive testing, support, and training services, including:

- Flat rate on-site CE compliance and safety testing
- State-of-the-art facilities featuring an anechoic chamber and R&D facility
- CE Certification covering machinery, safety, and low voltage directives
- EMC mitigation for both CE and FCC compliance
- Power quality testing expertise
- Solutions for low and high-frequency disturbance issues
- Provision of technical CE reports and final certificates
- Technical training programs aligned with the Directive
- Product safety consulting services
- Risk assessment support
- ATEX consulting expertise
- Seminars and technical training sessions



Research & Development

Since our inception in 1992, Enerdoor has cultivated over 30 years of dedicated expertise in power quality and electromagnetic solutions.

As a global leader in the industry, our commitment to innovation is highlighted by:

- Experience: Three decades of specialized knowledge
- Global Presence: Manufacturing and R&D facilities worldwide
- Design Capability: Extending up to 10 GHz
- Custom Solutions: Tailored to meet unique requirements





On-Site CE Compliance and Safety Testing

Since 1992, Enerdoor has been a specialized authority in the measurement and analysis of EMC testing and CE Certification. Our commitment to excellence extends globally, offering on-site services to customers worldwide through a streamlined and efficient organizational structure.

What sets us apart is our unique flat-rate testing service and a pledge to stay until the equipment achieves compliance, demonstrating our unwavering dedication to customer satisfaction and regulatory adherence.



On-Site Compliance Testing Insights

The CE mark serves as a global reference for industrial electronic applications, encompassing the entire European Union, including Turkey and Israel, FCC in the United States, CCC in China, VCCI in Japan, RCM in Australia & New Zealand, and KCC in South Korea.

Enerdoor's on-site CE Certification testing specializes in measuring and analyzing the electromagnetic compatibility of systems, aligning with EMC, FCC Part 15, and Safety Directives. Enforced since January 1996, the CE Directive mandates that all electric and electronic components in machinery and manufacturing plants meet minimum requirements. Enerdoor goes beyond mere certification, offering filter solutions that address conducted, radiated, and immunity test requirements.

Mobile Laboratories

Enerdoor's mobile laboratories offer on-site EMC measurements directly at manufacturing plants or end-users' facilities. Our comprehensive services include:

EMC Compliance

Ensuring equipment aligns with the EMC Directive

Consultation and Support

Expert guidance and support for EMC problem-solving

Final Test Reports

Providing detailed test reports upon completion

RF Disturbance Analysis

In-depth analysis for single machines or entire plants

Problem-Solving

Addressing disturbances generated by machines within the manufacturing plant

Harmonic Distortion Analysis

Identifying and resolving harmonic distortion

Disturbance Analysis and Solutions

Comprehensive analysis and solutions for disturbances within manufacturing plants and end-user facilities.





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