

EMC Industry Leader

Applications

- Automated machinery
- Machine tools
- Medical equipment
- Renewable energy
- Long motor cable applications
- HVAC systems
- Water/Wastewater
- Oil/Gas
- VFDs

Benefits

- Best pricing in the industry
- Protect equipment from RF interference
- Prevent system failure and downtime
- Increase motor life and protect windings, insulation, and bearings
- Ensure IEEE-519 compliance and reduce THD to <5%
- Increase life of sensitive components
- Pass CE Certification
- Large inventory in stock
- Engineers w decades of field experience



EMC Filters, Motor Protection Devices, Harmonic Solutions and CE Certification

Enerdoor provides state-of-the-art EMC filters and power quality devices designed for every industry and application, including automated machinery, machine tools, VFDs, renewable energy, water treatment, medical equipment, recharging stations, and much more!

You need Enerdoor if:

- You are an OEM exporting out of North America
- Machinery has RF or electrical interference
- PLCs and sensors are failing due to RF interference
- You have drives with IGBT firing
- Line noise is making drives hiccup and false code
- Need to increase motor life and protect windings and bearings
- Need to reduce motor temperature
- Need to reduce harmonic distortion or meet IEEE-519 compliance
- Motors are significant distance from drive: > 50 feet
- You are planning on buying a new drive

If you answered yes to any of the above, work with Enerdoor to prevent RF interference, increase machine reliability, and ensure CE Certification.

Why Enerdoor over the rest?

- Best pricing thanks to global presence
- Large inventory in stock
- Engineers with decades of field experience solving RF interference, power quality, and harmonic problems
- CE testing at a set price with a guaranteed solution
- EMI filters with a 5-year warranty providing the assurance you need

What makes Enerdoor different?

Enerdoor offers CE compliance testing for a low set rate with a guaranteed solution - a unique offering in the industry. This allows Enerdoor engineers the opportunity to test filters in the field, providing greater product support.

Why EMI/RFI filters:

Solve problems associated with electromagnetic noise associated with high frequency switching inside VFDs. Suppress interference generated by a device, or by other equipment, and protect devices from electromagnetic interference signals present in the environment. Benefits include:

- Bring electrical equipment into compliance with EMC and CE Standards
- Reduce EMC interference and prevent PLCs, sensors, and PCs from failing
- Increase life of sensitive components and prevent production downtime

Industries: OEMs, automated machinery, any equipment using servo drives, VFDs, and AC-DC switching components

Why Motor Protection:

Solve problems associated to dV/dt spikes on the output of VFDs. Benefits include:

- Increase motor life and protect motor windings, insulation, and bearings
- Unique solution for high speed motor applications
- Reduce frequent repairs or motor replacement
- Prevent EMC noncompliance due to radiated emissions from motor cables
- Reduce motor temperature

Industries: Wastewater, automated machinery, and long motor cable applications

Why Harmonic Filters:

Solve problems related to high THD and inductive load switching. Benefits include:

- Ensure IEEE-519 compliance
- Reduce harmonic distortion to <5%
- Resolve power quality issues
- Resolve motor bearing failure in pumps and blowers
- Resolve interference with communication systems and circuits

Industries: HVAC systems, wastewater, applications involving VFDs and servo drives

Do you Ship Products or Equipment Overseas?

CE Certification is required when shipping machines overseas and today on average 60-70% of products fail first time EMC testing. EMC issues within an EMC lab can cost customers tens of thousands of dollars in re-design, re-manufacturing, and re-testing costs, adding unnecessary delays to time to market schedules. Enerdoor offers one set price with a guarantee to find a solution ensuring you stay on budget and schedule.

About Enerdoor

Founded in 1992, Enerdoor is an international leader in EMC and power quality solutions for every industry and application. Enerdoor offers competitive pricing, expert technical support and fast delivery on all products, and works closely with customers on product specifications, budget, and delivery requirements.