Eaton's products and services span a wide range of applications for utility-, mid- and small-scale wind. As a single-source provider, Eaton can meet your needs for both electrical and hydraulic applications for wind turbines and wind farms.

We deliver these solutions for our clients around the globe with three overriding values in mind:

- Reliability
- Efficiency
- Safety

**Electrical base of tower solutions**

Wind turbine manufacturers need compact and reliable products to meet current and future demands for energy production. Eaton's wind turbine electrical solutions meet those needs by offering UL and CSA power protection that can withstand harsh climates. Eaton's electrical solutions range from the tower busway through the base of tower equipment.

For wind farm owners, reliable power distribution is essential for a successful wind farm. Eaton provides electrical equipment in outdoor enclosures to distribute power effectively and reliably to the electrical grid.

**Eaton’s base-focused electrical solutions are in the following categories:**

- **A Tower busway**
  - Busway
- **B Base of tower switchgear**
  - Low voltage switchgear
  - Medium voltage switchgear
  - Low voltage transformer MCCB
- **C Grid-connection switchgear**
  - Substation transformer
  - Medium voltage switchgear
- **D Metering and monitoring**
  - Power Xpert
Base and Substation Electrical Products

A  Tower busway

Busway

• The Cutler-Hammer Pow-R-Way III low voltage busway system (225–5,000 amps), combines the requirements of NEMA®, UL®, IEC and CSA® into one design

B  C  Base of tower and grid-connection switchgear

Low voltage switchgear

• The low voltage switchgear protects electrical equipment rated at 600VAC or below using Magnum DS air power circuit breakers

Medium voltage switchgear

• The medium voltage switchgear is used to couple the tower’s power generation to the collector distribution system. This switchgear is built to the ANSI C37.20.2 standard which provides the highest level of safety and reliability in the market

D  Metering and monitoring

Power Xpert

• Power Xpert is a sophisticated remote metering and monitoring solution that tracks and communicates the energy output in wind farms

Substation transformer and circuit breakers

• The series G family of Molded Case Circuit Breakers provide high performance branch circuit protection for step-up transformers at the base of tower and ancillary loads in the nacelle. Substation style transformers typically close-couple to other protection equipment, such as switchgear