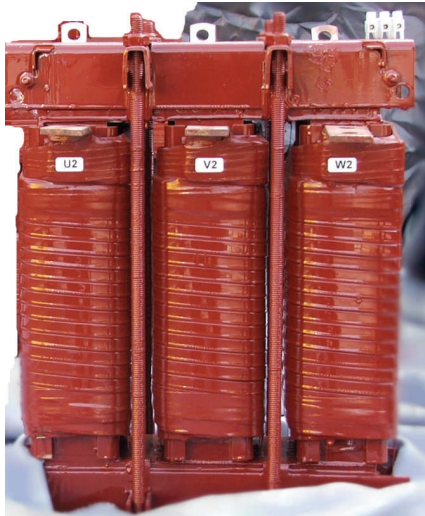


Power Solutions for Wind Energy Applications

Honoring its commitments as one of the leaders in power solutions for renewable energy applications, Powertronix Corporation proudly announces the following products for Wind Energy Applications



Rotor Chokes

Powertronix Rotor Chokes provide protection by absorbing line disturbances caused by variations in rotor speed in wind turbines. These disturbances are harmful and could damage inverters and other voltage sensitive equipment. Advantages of Powertronix Rotor Chokes are as followed

- ✓ **Extends lifetime of SCR controllers and transistors:** Filters line disturbances that can prove harmful to electronics.
- ✓ **Special Air Gap Construction:** Mechanically Constructed for High Quality Operation in even the harshest environments
- ✓ **Efficient, Low Losses:** Optimal electrical construction
- ✓ **Easy to Install:** Provided with lifting and mounting holes for easy installation to wind turbine applications.
- ✓ **Available in a Wide Range of Standard Ratings-**



Pitch Control Transformers

Powertronix pitch control transformers are regularly used by the leaders of the wind turbine manufacturers because of Powertronix's commitment to providing long-term, cost efficient power solutions for renewable applications. Advantages of the Powertronix Pitch Control Transformers are as followed:

- ✓ **Efficient, and Quiet:** Toroidal core construction of Powertronix pitch control transformers "lock in" the magnetic field making transformers quieter and more efficient.
- ✓ **Smaller and Lighter:** Due to efficient construction, toroidal pitch control transformers are smaller and lighter than EI limited type transformers.
- ✓ **Protection Against Harsh Environments:** Transformers can be come fully varnished to prevent contamination from environmental conditions
- ✓ **Stringent Quality Testing:** All pitch control transformers are put through stringent quality tests to ensure long life cycle.
- ✓ **Lower Inrush Current:** Special core processing inherently limits inrush current.



Cast Coil Transformers

Powertronix Cast Coil transformers are designed for high-quality operation in harsh environments. They require very little maintenance as opposed to liquid filled transformers as these tend to require periodical gauge level and cooling sample testing. Additional features include the following:

- ✓ **High Short Circuit Withstand Capabilities:** Reinforced cast construction provides superior mechanical strength
- ✓ **High Impulse Voltage Withstand Capabilities:** Results better than dry type transformers
- ✓ **High Overload Capabilities:** Higher short term overload capabilities due to longer thermal time constant.
- ✓ **Resistant to Temperature Fluctuations:** Can be installed at -50°C and be energized from cold start at full rated load.
- ✓ **Environmentally Friendly:** Constructed with only chemically, non-hazardous materials

About Powertronix Corporation:

Headquartered in Foster City, California, Powertronix Corporation has been in the business of providing long term power solutions for Wind Energy Applications for over ten years. Working with some of the leaders in the renewable industry, Powertronix has designed, developed and manufactured renewable power solutions that achieve 100 percent form, fit, and function for a customer's requests for applications such as wind turbines, solar inverters, as well as many others. From the inception of the design, Powertronix's technical staff works engineer to engineer to ensure that all of the customer's specifications are met. Powertronix facilities are ISO 9000-2008 certified with facilities audited quarterly by UL. Powertronix implements robust quality system with IP/OP/QP best practices in all of its product designs. An active staff ensures optimal product designs, just in time (JIT) deliveries, and dependable quality. To find out more information on Powertronix as well as renewable power solutions developed by Powertronix, please contact sales@powertronix.com or (650) 345-6800 for more details.

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