



Renewable Energy Solutions

power to perform

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OUR EXPERIENCE

The Renewable Energy market covers a broad range of applications and environments, and demands a high level of safety and reliability. Hammond Power Solutions (HPS) offers the broadest variety of transformer and reactor solutions for the difficult applications found in the renewable energy market. Whether it's a standard transformer or reactor, or a custom built, HPS has the experience to provide a magnetics solution for your application.

HPS draws from a large design team with hundreds of years of combined experience to find a solution to your magnetics needs. Our factories in North America, Europe and India combine to provide the manufacturing expertise and deliverables the renewable energy market requires. The engineering and manufacturing experience and dedication to quality and service are the foundation for our success as a leading transformer manufacturer. This provides our customers with the confidence to make their projects successful.



HPS PRODUCTS

Reactors

HPS offers a standard line of HPS Centurion® R Reactors that provides a unique blend of performance and reliability while reducing the products footprint. HPS Centurion R can be used in a wide variety of power quality applications.

Whether your application requires a reactor designed to handle different frequencies or low losses or even integrated into an assembly with a step-up distribution transformer, HPS can design a solution to meet your need.





HPS Autotransformers and Distribution Transformers

HPS offers three phase autotransformers that are available for applications where voltage adjustments are necessary in a distribution system. They are frequently used as an economical alternative to three phase general purpose distribution transformers to adjust the supply voltage to match specific load requirements when load isolation from the supply line is not required.

Autotransformers can be used as either a step-up or step-down transformer.

HPS offers diverse lines of energy efficient low voltage distribution transformers. They can be designed for use in applications with high harmonic current, in either a step-up or step-down format.

One of the challenges in addressing renewable energy applications that are often remote generation locations is to ensure the equipment is rugged enough to withstand the temperature and moisture extremes as well as the damaging effects of lightning. HPS has the experience delivering these custom quality products to OEM's and Energy operators on a worldwide basis.



HPS Medium Voltage (Power) Transformers

HPS has decades of experience designing medium voltage power transformers for the difficult applications and environments found in the renewable energy markets. HPS offers a wide range of dry-type VPI and Cast Coil (EnduraCoil™) products. Dry-type transformers offer several advantages over oil transformers including lower fire risk, fewer environmental contamination concerns, proven insulation systems for high ambient temperatures and lower installation and maintenance costs.

- Options up to 34 MVA, 46 kV Class and 250 kV BIL
- ISO 9001:2008 manufacturing and engineering processes
- Meets or exceeds CSA C22.2 No. 47, CSA C9-02, DOE 10 CFR Part 431 and NRCAN SOR/2018-201 efficiency levels
- Global VPI approval performance levels including: UL, CSA, IEC, ABS, DNV, BV, and Lloyds
- Global Cast Resin approval performance levels including: UL, CSA and IEC





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