



Low Speed Wind/Hydro Generator Announced

October 2nd 2006, Indianapolis, IN – Light Engineering (LE), the world's leading manufacturer of axial gap permanent magnet motors and generators, is announcing the release of the GenSmart™ G58N1.

LE builds the world's most power dense permanent magnet motors and generators utilizing industry altering patented technology. The GenSmart™ and SmartTorq™ machines all incorporate unique amorphous core stators which yield unsurpassed efficiencies. This technology, together with innovative design principles, yields extremely cost effective, power dense, highly efficient rotating machines.

The LE GenSmart™ G58 generator is 58 cm in diameter, 11 cm in length, and capable of producing 5-10 kilowatts at 300 rpm. The machine design inherently has extremely low cogging torque, which makes it ideal for low speed wind or small scale hydro applications. This means the machine is then capable of direct drive, and compatible with most low speed turbine designs without the need of a failure prone gear box. The generator operates at an efficiency rate of 92%+ over most of its operating range. The totally enclosed non-ventilated housing makes it suitable for harsh outdoor environments.

LE has developed and markets the industry's leading rotating machine technology for permanent magnet motors and generators. Our technology enables the LE GenSmart™ generators and SmartTorq™ motors that LE commercially sells today, and also is the building block for various new applications to come. The application of LE technology allows for greatly reduced machine sizes and active material contents, and thus has proven to be the cost leader in permanent magnet applications of 2 – 200 kW. LE is headquartered in Indianapolis, Indiana, USA, and has manufacturing operations in the Guangdong Province of China.

Please visit www.lt-eng.com for more information, or contact:

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