

Serenergy - Company Profile

Serenergy is a leading Danish HTPEM fuel cell manufacturer founded in 2006. The company is based in Hobro, Denmark and currently has 14 employees.

Our Focus

Serenergy develop, manufacture and sell fuel cell stacks and fuel cell power modules for system integrators worldwide. We pride ourselves on providing high quality and environmentally conscious energy solutions. Our fuel cell stacks transform hydrogen feedstock and oxygen from the air into electricity - with zero CO₂ emissions. The only waste products from the fuel cell reaction are water and heat.

Products & Markets

Our products are used as a direct power source or a mobile battery charger in a broad range of markets and applications. Applications range from backup power and residential heat & power generation to mobile power generation and motive power for transport applications. The products reflect our considerable experience in system design, offering cost-efficient and highly reliable systems. We currently offer a range of standard fuel cell modules with a power output range from 350W-3,2kW. However we also offer flexible and scalable fuel cell designs according to specific customer requirements.

Competencies for the future

Serenergy was founded by leading researchers at the *Institute of Energy Technology* at the *University of Aalborg* in Denmark - former associate professors Mads Bang PhD and Anders Korsgaard PhD. Their research within fuel cell technology revealed major advantages of HTPEM (High Temperature Polymer Electrolyte Membrane) fuel cells versus the commonly available LTPEM (Low Temperature Polymer Electrolyte Membrane) fuel cells. This led to the foundation of Serenergy and the development of the first commercially available, low pressure, air-cooled HTPEM fuel cell system in the world. Today Our state-of-the-art Serenus product line is based on patented technology developments resulting in highly competitive performance.

In April 2011 Serenergy formed a partnership with *Fischer Group GmbH*, Germany which now has a 49% share position in Serenergy A/S. This acquisition reflects a strong belief in both our technology and competencies and the positive synergies to be gained by joining forces. Fischer's competencies within machine building and high volume manufacturing will enable large scale commercialisation of our fuel cell products within a wide range of applications.

Serenergy[®]
The Power of Simplicity