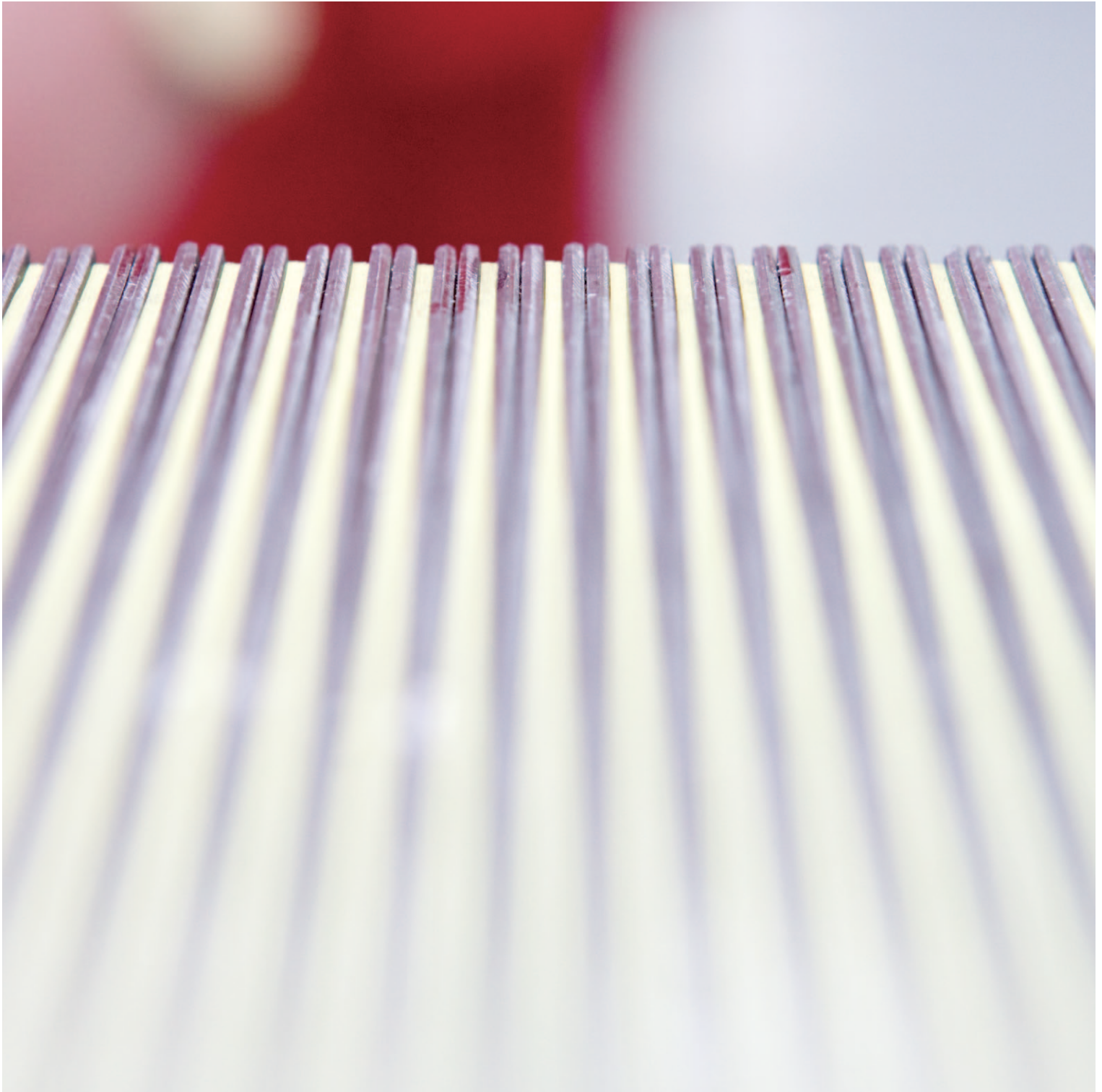


morphic™ Exergy

Fuel Cell Technology



Morphic Exergy

Exergy is a company within Morphic, a corporate group based in Sweden with a primary business focus on renewable energy solutions. For more than a decade, the key personnel has amassed experience and know-how in the development of *polymer*

electrolyte membrane (PEM) fuel cells and related systems, control computer and software, DC power modules and technical support technology for global support of the products. On its three automatic assembly lines, Exergy manufactures

essential components such as electrodes, membrane *electrode assemblies (MEAs)*, cells and complete stacks, sensors and controllers. A high production capacity allows Exergy to offer its superior end products at competitive prices.



MIRA 6
Unregulated DC Power Module
6 kW DC

MIRA 6 is a fuel cell DC module that provides clean, unregulated electrical power. The durable, fully-automatic MIRA 6 is based on PEM technology for environmental friendliness and flexibility of use. The module is designed to be integrated within a fork lift, small hybrid vehicle, power generator or similar application where power and efficiency are required.



POLARIS 5
APU Pure Hydrogen Power Generator
5 kW AC and DC

POLARIS 5 is the new fuel cell *auxiliary power unit (APU)* system fuelled by pure hydrogen to produce clean electrical power. POLARIS 5 is based on PEM fuel cell technology to eliminate noise and vibration while maximizing durability, efficiency and environmental friendliness. POLARIS 5 is designed for installation and use in countless applications that require a high-quality power source. It is available in a variety of different configurations: 230 VAC single-phase grid-connected, 400 VAC three-phase grid-connected, and 48 VDC.



ORION 5
APU LPG Power Generator
5 kW AC and DC

ORION 5 is the new fuel cell APU system fuelled by *liquid petroleum gas (LPG)* to produce clean electrical power. ORION 5 is based on PEM fuel cell technology to eliminate noise and vibration while maximizing durability, efficiency and environmental friendliness. ORION 5 is designed to provide high-quality electrical power in many different applications, such as those in the recreation vehicle, nautical and telecom industries.

Fuel Cell Stacks

Exergy produces fuel cell stacks according to custom requirements. Throughout the world, Exergy has distributed fuel cell stacks with output power from 100 watt to 125

kW (DC module). Many clients, such as those within the military and aerospace industries, favor pure oxygen and pure hydrogen alternatives. Our fuel cell stacks are based on *membrane electrode gasket assembly (MEGA)*, a patented fuel cell stack

assembly technology that ensures minimized costs, easy maintenance and high reliability. Exergy manufactures strategic product components in house, including gas diffusion electrodes, cells and stacks, sensors and controllers.