

Press Release

21 June 2004

Voller Energy Limited

Portable fuel cell system – 25% smaller, and powered by camping gas

Voller Energy Limited, the world's first developer of fuel cell technology portable generators, today launches the updated VE100. The VE100 v2 is smaller and lighter than the previous VE100 but delivers more power output. The VE100 v2 will be unveiled at the Fuel Cell Forum in Lucerne, Switzerland on 30 June 2004. Advance orders for the VE100 v2 can be taken immediately.

Voller Energy launched the VE100 at the Grove Fuel Cell event in London in September 2003. At its launch, the VE100 was recognised as the world's first hand held portable fuel cell system with self contained hydrogen storage. A significant innovation in the VE100 v2 is the addition of a new LPG (Liquid Petroleum Gas) reformer that means the unit can be powered by either stored hydrogen or from propane or butane. These are commonly known as *Calor Gas* in the UK and *Camping Gaz* or BBQ gas in other parts of the world.

Voller Energy is working on a range of solutions to provide mains power in remote locations and for battery charging. As Voller Energy portable fuel cell systems produce little noise and no green house gas emissions they can often be used where conventional generators cannot. The VE100 is an alternative energy mains generator and battery charger that can be used for quiet, clean power. It has a wide range of applications including charging cordless tool batteries, remote power for temporary buildings, power-backup, quiet power for RV's, boats, yachts, camping and leisure, and for military use.

Stephen Voller, CEO and Founder of Voller Energy, said: "We have a strategy to bring real products to market as soon as possible. What sets us apart from others is that we have real product in the market today. By making this new product smaller and more affordable we are opening the fuel cell market up for the first time."

As well as providing more power output than the previous version, the VE100 v2 enables the fuel storage options to deliver more energy.



Voller Energy Product	VE100 v1	VE100 v2 Indicative Specification
Launch	September 2003	June 2004
Product Weight	8.5 kg	6 kg
Dimensions	39cm x 34 cm x 19 cm	30cm x 28 cm x 19 cm
Fuel options	Metal hydride Compressed hydrogen	Metal hydride Compressed hydrogen LPG reformer

The VE100 v2 is available in both standard EU 230v 50Hz and US 110v 60Hz versions. Systems also have a 12v DC 'cigar lighter' output typical for charging mobile telephone, laptop or conventional automobile 12v lead acid batteries.

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udomi – competence in fuel cell systems

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About Voller Energy:

Voller Energy provides portable battery chargers and mobile generators. Most systems are based on hydrogen fuel cells that produce power without *greenhouse gas* emissions.

The benefits of Voller Energy portable power systems over conventional generators are they are:

- § clean
- § quiet
- § produce no exhaust
- § produce little EMR (Electro Magnetic Radiation)
- § require little maintenance.

The systems are targeted at the leisure market and construction industries but can be used for business, industrial and military applications

The units can provide power for RV's (Recreational Vehicles), yachts, lighting, remote monitoring, telecommunications and telemetry projects. Surplus heat from the larger units can be used to provide heating for small buildings or water.

Voller Energy systems will also be able to use commonly available hydrocarbon fuels such as LPG, camping gas, (butane or propane), diesel or JP-8 (aviation fuel).

Founded in 2002, the company is located in United Kingdom. Distributors supply Voller Energy products world-wide, udomi is distributing Voller Energy products in Germany, Austria and Switzerland.

About udomi – competence in fuel cell systems

udomi was founded in October 2001 and is a privately owned company. Since February 2003 udomi is a distributor for Voller Energy products in Germany, Austria and Switzerland. The company plans and distributes fuel cell systems with power outputs from Watts to KiloWatts to from various suppliers. The core competence of udomi combines in depth Fuel Cell System competence (PEMFC) with the specific requirements of fuel cell applications in various industry segments. The goal is to help develop the first commercial markets for fuel cells and participate on the progress of their success.

Our product and service offerings:

- Planning and sales of fuel cell systems and components
- Consulting services for fuel cell applications
- Online sale of fuel cell models for demonstration and educations

For more information please visit www.udomi.de