

**udomi – Fuel Cell News October 2006**

**Fuel cell systems and components**

**EFOY-XL with M28 fuel cartridge for extended runtime**

For applications that require extended runtime without Methanol fuel cartridge replacement, the M28 fuel cartridge has been designed. The M28 cartridge contains 28 liters of Methanol and provides an output energy of 25,3kWh. This compares to a lead acid/gel battery capacity of app. 8.300Ah/12V. A typical application with a energy demand of 500Wh/day can be operated for 50 days with a single M28 cartridge. In a combination with solar power (EFOY OUTDOOR) a single M28 cartridge can be sufficient for a full winter periode. The M28 fuel cartridge is compatible with the EFOY-XL systems only.

With the optional fuel sensor FS1 and the WLAN-1 or GSM-1 modules, the user will be notified via Email or SMS when a fuel cartridge replacement is required.

**Applications include:**

Power for remote and difficult to reach measuring stations or observation cameras as well as remote telecommunication sites or mobile traffic signals.

More at [www.udomi.de/products/fuelcellsystems-e.html](http://www.udomi.de/products/fuelcellsystems-e.html)



EFOY 1600-XL with connector for M28 fuel cartridge



M28 Methanol fuel cartridge

**No Maintenance Hydrogen Generator (NM-H500)**

Hydrogen Generator with PEM membrane technology. Splits deionized water in hydrogen and oxygen, no hazardous liquids necessary.

**Key features:**

- No maintenance (NM) auto-drying technology
- Hydrogen delivery pressure up to 10 bars
- Hydrogen purity of > 99.9999%
- Hydrogen flow rate 0-0.5sl/min

**Applications include:**

Safe Hydrogen on demand generation as an alternative to compressed gas cylinders. Charging of metal hydride storage tanks.

More at : <http://www.udomi.de/products/electrolyzer-e.html>



NM-H500

All prices are net prices plus VAT and shipping

Please find more information at [www.udomi.de/home/home-e.html](http://www.udomi.de/home/home-e.html)