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Have you checked the IQ of your Fuel Cells systems?

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Fuel Cell Battery Charge

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Have you checked the IQ of your Fuel Cells systems?

Battery chargers Applications and systems

Contact Us Today!

Airport, Traffic, Hospital, etc.:

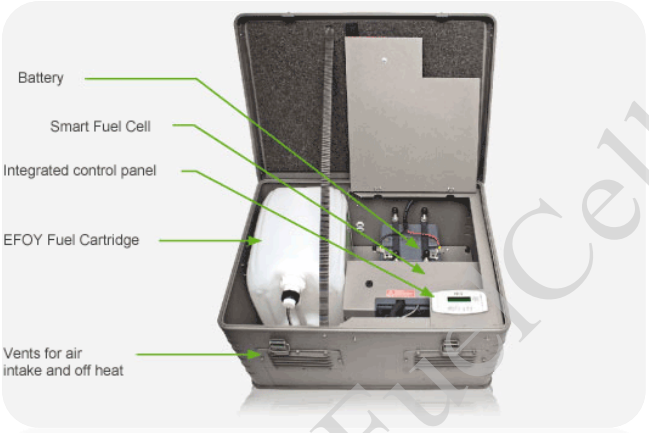
IQ Fuel Cells back-up Battery Charger: 12Volts, 24 Volts, 36Volts, 48 Volts -120VAC or 230VAC Using state-of-the-art, switch-mode technology, the DLS Power Supply series is engineered with the user and variable environmental conditions in mind. Extra care has been given to insure many years of service-free operation, even when subjected to extremely harsh conditions. Batteries are charged quickly and efficiently without over charging and pumps, motors, and fans operate perfectly for prolonged life.
IQUPS Engineering uses advanced switch mode technology to bring to market highly sophisticated electronic converter/power supplies at appealing affordability.

IQFuleCell deliver 100% reliable power in a variety of scenarios such as Airport electronics systems, traffic, safety, surveillance, sensors, metering devices, wireless systems.

ProCube is a mobile, maintenance-free, complete solution. It provides electrical power anytime, anywhere. No need to modify or integrate anything; it's ready to go whenever you are. It allows you to use the EFOY Pro Series in any season and any kind of weather. You can even operate it underground, if necessary. This is especially practical for remote island facilities without switch cabinets.
The EFOY ProCube can be configured to fit any EFOY Pro Series model, any EFOY fuel cartridge, and several different types of batteries.

Traffic-regulations systems: allowing for a wide range of applications. It can power both mobile traffic guidance systems such as warning-light trailers and alternating-traffic signals, and such stationary fixtures as blinking signals, blinkers in series, or speed-limit signs.

Security systems: have to work around the clock, in any kind of weather because they usually protect valuable or strategic properties. If the facilities are remote, there will always be the problem of power availability. More and more security services are opting for the compact and quiet EFOY Pro Series to power their mobile systems and surveillance cameras. You can install the EFOY Pro invisibly and theft-proof either directly, along with the device in a housing, or already installed in the practical EFOY ProCube. Operation is undetectable, quiet as a whisper and emits no odor. And best of all, it will power the device for weeks on end without the slightest intervention! EFOY Pro is the attractive power solution for security facilities that require a low-maintenance, dependable source of power such as: stationary remote monitoring, border-crossing monitoring observation traffic monitoring entryway monitoring events security.



logistics problems are sometimes monumental. Pressure is mounting to reduce costs and boost efficiency. The EFOY Pro presents an attractive, low-maintenance alternative for reliably powering remote telecommunications and metering equipment such as: level gauges used in flood and tsunami early-warning systems water-quality meters biological and geological instruments remote servicing stations vehicle-based measurement instruments electromagnetic-wave meters digital BOS transmission/TETRA etc. EFOY fuel cells are at work today providing clean, reliable energy to numerous environmental sensors and telecommunications facilities located in remote areas. There's less need to travel long distances to replace batteries or refuel generators, which in turn reduces costs and protects the environment.

A practical example Before:
With Out IQFUelCell EFOY Pro fuel cell For example, a 10-watt level sensor requires 240 watt hours per day for continuous operation. A 60 Ah lead-acid battery can supply enough power for three days. To replace the battery from a base camp 100 km away will cost 200 km @ 0.40 EUR or 80 euros. Add to that two-and-a-half hours of wages @ 85, or 215 euros. The total cost per trip is thus approx. 300

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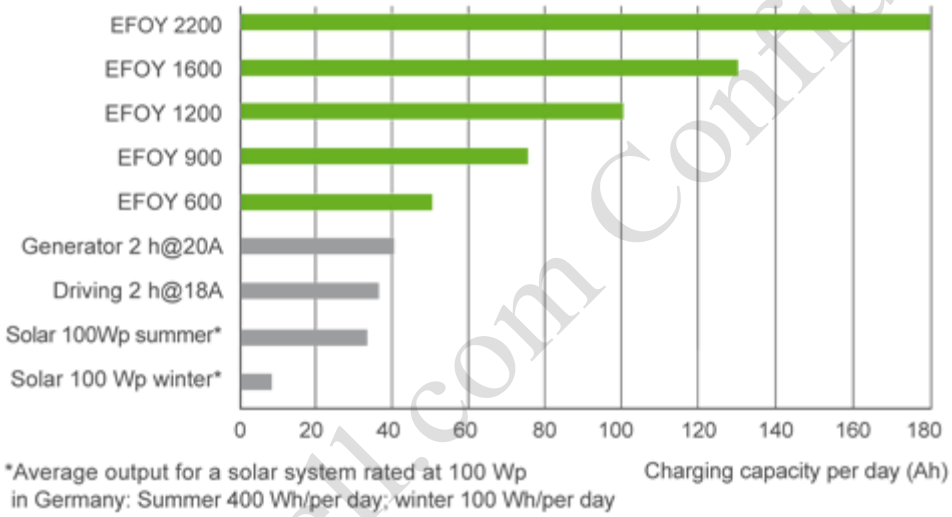
EUR. In the above example, that would mean 700 EUR worth of costs every week. Many cases, however, involve a lot more travel. Some metering devices located in nature preserves or along oil and gas pipelines are only reachable by helicopter. The cost here: 5,000 EUR per hour! The bottom line is: difficult logistics, long distances, and considerable costs.

With a IQFuleCell EFOY Pro fuel cell One EFOY Pro equipped with an M28 EFOY fuel cartridge will power the level sensor for 130 days – nearly 4 ½ months – reliably, quietly, cleanly, and completely maintenance-free.

High tech for clean energy
IQEFOY fuel cells are economical and free from harmful emissions. The only things that the process produces besides electricity are water and carbon dioxide in amounts no more than a child's breathe.
All the conveniences of home - Not even coffee makers or hairdryers pose a problem anymore. IQEFOY fuel cells in comparison to other source of power for mobile homes



If the weather's good, solar cells provide the power.
If the weather's good, only the solar module generates electricity in a fuel cell/solar cell hybrid. The EFOY Pro remains in standby mode and solar generation keeps fuel consumption low.

In bad weather, darkness, or winter, the fuel cell kicks in.
Solar cells will not deliver enough current to batteries in bad weather with the result that voltage drops. Once the battery level dips below a certain threshold, the fuel cell cuts in automatically and recharges the battery. It then reverts automatically to standby mode.

Inexpensive
An EFOY Pro/solar cell hybrid is inexpensive. Costly over-sizing of solar panels is no longer necessary, while battery capacity can be kept to a minimum. Heavy, expensive banks of batteries are a thing of the past.

Cost-effective operation
An EFOY Pro/solar cell hybrid is also inexpensive to operate. Fuel costs for the fuel cell only occur when the sun isn't shining. What matters most though, are the personnel and logistics savings that result from not having to travel on site to replace batteries.

Easy to integrate
The Plug & Play feature allows you to combine the EFOY Pro easily with new or existing solar systems. The EFOY Pro connects to all common 12-volt and 24-volt batteries.

EFOY fuel cartridges

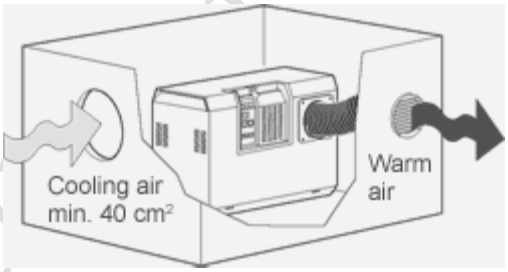
EFOY fuel cartridges have been designed specifically to deliver methanol to SFC fuel cells in the safest, user-friendliest way possible. They come in sizes ranging from 5 to 28 liters and bear the TÜV seal of safety. SFC has established a functional infrastructure of nearly 1,000 sales points worldwide to market EFOY fuel cartridges to both retail and industrial customers.

Connections:

***IQ*FuleCel** EFOY Pro connects to the battery and recharges it as needed. The actual device is connected to the battery supplying current to it. The EFOY Pro comes with a battery connecting cable.

Fuel cell + Battery

Ventilation: ***IQ*FuleCel**l EFOY Pro requires ventilation. It also generates heat and exhaust gases that need to escape, which is why it comes with all components necessary for ventilation.



Secure mounting

***IQ*FuleCel** EFOY Pro and fuel cartridge must be securely mounted for mobile applications. The EFOY Pro comes with mounting hardware. Control panel ***IQ*FuleCel** contains the instruments necessary for operating the fuel cell. Remote control is also possible using the optional GSM-2 GSM-Modem.

1. Reliable off-grid and mobile energy supply
   - Reliable energy when far away from the mains grid – this is provided by the EFOY Pro fuel cell. When used as part of off-grid and mobile systems, the fuel cell automatically charges batteries without user intervention – 24 hours a day

and under all weather conditions.

2. Plug & Play – the complete solution for off-grid power
   - Neat and tidy – the complete energy solution for indoor and outdoor use Compact, quiet, mobile and protected against the rigours of wind and in a single box. weather.
3. 100% reliable power for security applications
   - Security systems have to run reliably, around the clock and in all kinds of weather. After all, they're usually protecting valuable, and sometimes even strategic, facilities. Systems in remote locations present the additional challenge of requiring reliable, off-grid power. Even if a concealed 25-watt camera uses a "mere" 600 watt hours per day, that's a stretch for most of the traditional remote power systems available today. A battery will last only two days before it has to be replaced. And each time it is replaced, you risk detection. Solar cells are an option, but they don't generate enough electricity if the weather's bad. What's more, they're visible from far and wide – a sure tip-off that there's an electrical device somewhere nearby.
4. Fuel Cells Traffic Applications EFOY Fuel Cells cut costs and improve safety
   - Road crews often face a familiar problem. Where do they get electricity to power safety signals? There usually isn't an outlet handy when you need to divert traffic. Crews and service providers have to go to a lot of effort to guarantee safety near a construction site. They can lay a power line to the illumination – but that costs lots of money – or they can repeatedly replace dead batteries. That means towing a mobile blinker unit in for recharging and towing a recharged one out to the site every eight hours. The result is a logistical nightmare, lots of driving, and continuous exposure to heavy traffic.
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