



HyRange® Extender

- Emission-Free
- High Efficiency
- Powerful
- Silent



Stack-Module, customisation possible
(MPV version see front page)

The HyRange® extender series is based on the
fuel cell stack PM 400



Proton Motor Cleantech Competence

As a pioneer in fuel cell technology with over twenty years of experience, we continue to develop innovative energy solutions for the future based on our modular fuel cell stack concept. Our goal is to provide tailor-made integration of our sustainable technology in uninterrupted power supply and in emission-free drive systems, customized in line with the individual needs of our customers and partners. To achieve an economic and reliable process, we can provide you with every step from the financial feasibility study through system development and integration up to a full service package after commissioning.

Let us be your partner.



TEAMWORKER

Engineering · Integration · Service

Stationary

Automotive

Maritime

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HyRange® Extender

Fuel Cell Range Extender for Electric Vehicles

Stationary

Automotive

Maritime



MPV Fleets

- Max. vehicle speed 130 kph*
- Max. vehicle speed in H2 mode 100 kph
- NEDC pure battery range 70 km
- NEDC combined range 350 km
- Acceleration 0–50 kph 4.0 s
- Acceleration 0–100 kph 10.9 s

The HyRange® System:

- Fuel cell system PEM
- Nominal power 25 kW
- Output current range 0 to 500 A
- Output voltage range 35 to 120 VDC
- Max. el. system efficiency 51%
- Air supply Ambiente air
- Communication interface CAN v2.0A
- Weight 95 kg (approx.)
- Installation space 780x670x330 (mm HxWxD)

* Limited due to selected electric motor speed limit

OUR PARTNERS



Logistic Fleets

World record trip 2014: Munich–Berlin–Munich
HyRange® implemented in a 7,5 ton Smith Newton

OUR PARTNERS



Nationales Innovationsprogramm
Wasserstoff- und
Brennstoffzellentechnologie



Gefördert durch:
Bundesministerium
für Verkehr, Bau
und Stadtentwicklung



Koordiniert durch:
NOW
Nationaler Wasserstoff- und
Brennstoffzellen-Infrastruktur-Service



SMITH™

HyRange® integration

MPV–Application

The HyRange system has a modular design which allows a variety of integration types.



City Bus Fleets

Fuel cell application in a Skoda city bus

OUR PARTNERS



ŠKODA



Main benefits

- Zero emission
- Significant range increase
- Short refuelling time
- High efficiency
- Environment-friendly
- Customising possible
- Innovative concept
- Silent operation
- Carbon footprint decrease
- Positive image