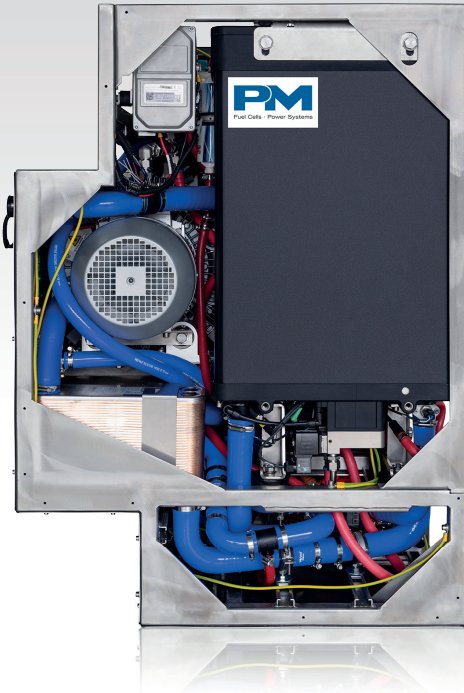


## FACT SHEET

Automotive



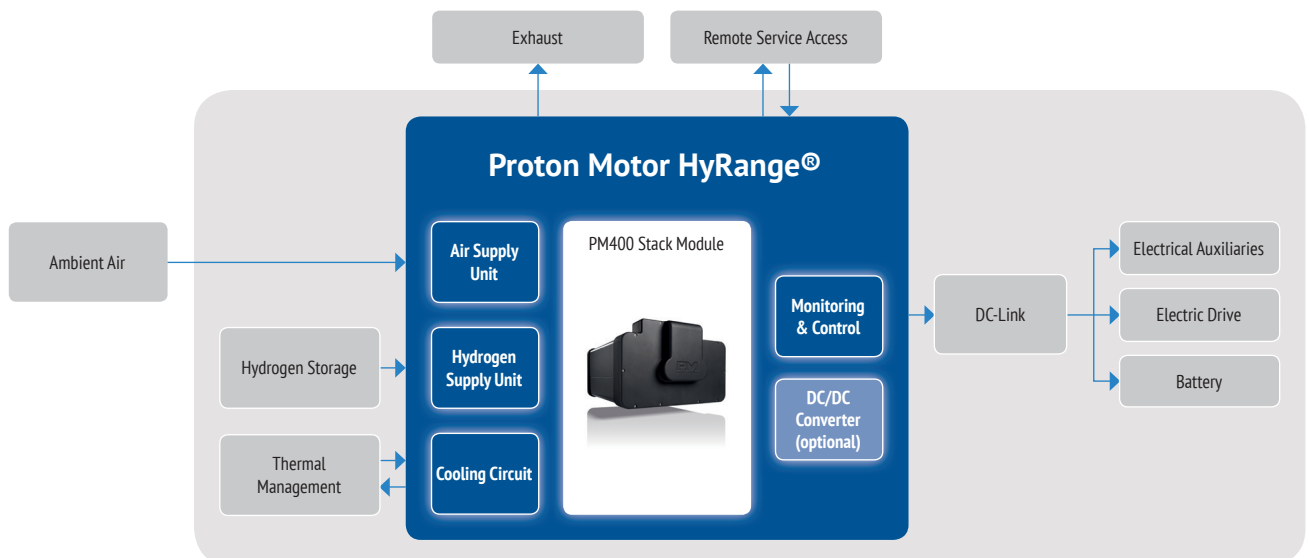
HyRange® 43 - Packaging example

## HyRange® Fuel Cell System

Adaptable fuel cell kit for customer-specific installation

- Modular Fuel Cell System
- Remote Service Access
- Fuel cell control unit included
- Plug & Play Fuel Cell System
- Integration & Commissioning Support
- Service & Maintenance Support
- Training as Certified Service Partners

## Powertrain of Fuel Cell Electric Vehicle



## KEY FACTS



### Installed Fuel Cell Power\*

21 kW up to 213 kW



### Optional Voltage Adaption with DC/DC-Converter

Up to 700VDC (adjustable)



### Hydrogen Quality

ISO 14687-2 / SAE J2719



### Hydrogen Supply Pressure

3.0-7.0 bar<sub>g</sub>



### Operation and Storage Temperature

-30 to +45 °C



### Operation Altitude without Power Derating

< 2000 m



### Humidity

< 95 % r.H. (non condensing)



### Auxiliary Voltage Supply

\* Begin of Life

Specifications are subject to change without notice. Specifications and descriptions in this document were in effect at the time of publication. Proton Motor Fuel Cell GmbH reserved the right to changes at any time.

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## APPLICATION AREAS



Busses



Trucks & Transporters



Off-Road Vehicles



Municipal Vehicles

## BENEFITS

- Significant range increase for electric vehicles
- Fast refuelling instead of long charging
- Long lifetime due to graphite bipolar plates
- Maintenance concept with fuel cell substitute
- Worldwide the only fuel cell stack that can be installed vertically and horizontally
- High system efficiency
- Low system complexity
- Developed and manufactured in Germany
- European Supply Chain
- Refurbishment of fuel cell stack possible
- Zero Emissions
- Silent Operation
- 100% recyclable

