PM Frame
Fuel Cell System ready for OEM integration

Typical application areas
- Emergency power supply
  - Railway infrastructure
  - Telecom / Radio Stations
  - Securing critical infrastructure
  - Industry and Data Centres
- Applications in combination with energy storage
  - Energy autonomous residential and industrial complexes
  - Re-electrification of hydrogen produced from renewables
- Off-grid power supply (Insular Solutions)
- Grid integrated solutions for emergency power or grid support

Main benefits
- Emissions-free solution for generating electrical and thermal energy from hydrogen
- Very high efficiency and reliability
- Long life span
- Easy installation and service
- Low maintenance / low maintenance costs
- Modularly scalable
- High operational safety
- Online monitoring
- Water cooling / use of process heat
- Simple hybridization with batteries

Optional scope of supply:
- Voltage Adaption
- Integration in Plug-and-Play System (Outdoor or Indoor) for different operation modes: Emergency power supply, Battery charging, Net parallel operation

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PM Frame – the modular fuel cell system for customised integration

The heart of the Proton Motor technology is the stack module, which is adapted to the power range. It is specially developed and manufactured by Proton Motor. In addition to the stack module, the fuel cell system already contains supply units for hydrogen and reaction air and a primary cooling circuit. The fuel cell system PM Frame already comes with an integrated fuel cell module. It is adaptable to multiple integration purposes as well as reliable and predictable thanks to PM’s all-round services. Individual customer applications and exclusive system requests can be fulfilled.

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