

# Multiple application fields

## Fuel cell stack PM 200

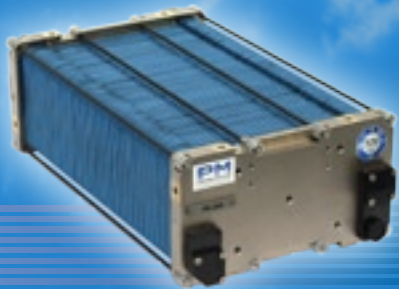
Proton Motor offers the PM 200 for usage in systems for a wide range of applications.

### Single stack application (2.0 to 8.0 kW)

- Range extender
- Material handling
- Boats
- UPS/APU

### Multi stack applications (16 kW up to >250 kW)

- Light duty vehicles
- Ships & boats
- UPS/APU



*more than just fuel cells*



- TÜV CERTIFIED
- HIGH EFFICIENCY
- EASY INTEGRATION

## Main benefits of the Fuel cell stack PM 200

- Easy system integration
- No need for external humidification
- Customer specific adaptations
- Wide range of operating parameters
- High efficiency
- Reliable performance
- Easy maintenance
- Single cell monitoring optional



Certified based on:  
VDE 0130-201 and DIN EN / IEC 62282-2

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PM 200

## Fuel Cell Stack

2 kW to 8 kW electrical power  
for stationary & mobile  
applications



**PM**  
**PROTON MOTOR**

Proton Power Systems plc Group

# Fuel cell stack PM 200

Technical data for 96 cell stack\*

- Rated power 8.0 kW
- Target lifetime >5000 h
- Dimensions (LxWxH) 432 x 246 x 136 mm
- Weight 15 kg
- Current up to 150 A
- Voltage range 53 to 110 V
- Efficiency\*\* > 52 %
- Hydrogen ISO 14687-2
- Fuel pressure 400 to 600 mbar
- Air pressure ≤ 600 mbar
- Pressure drop air < 150 mbar
- Coolant DI-water or ethyl.glycole
- Stack temp. up to 65°C\*\*\*
- Ambient temp. range -20 to 50°C
- Min. startup temp. > 0°C

\* Further configurations available on demand

\*\* At rated power

\*\*\* No need for external humidification



# Fuel cell stack PM 200

Voltage and performance for 96 cell stack

