

PM 200 Hydrogen Fuel Cell



The certified PM 200 Stack is designed for industrial applications and can be used in maritime, stationary and mobile applications.

Nominal electrical power output range from 2.0 kW to 8.0 kW dependent on number of cells.

The PM 200 stack is a proprietary development of Proton Motor and is used in all our systems and products. Further configurations of the stack are available on demand.



Features and Benefits:

- **Environmental**
 - No emissions
 - High efficiency
- **Maintainability**
 - Cell voltage monitoring possible
 - Easy maintenance
 - Long lifetime
- **Flexibility**
 - Easy system integration of OEM specific applications
 - Customer specific adaptations possible
 - Multi stack operation possible
 - No external humidification needed
- **Reliability & Safety**
 - TÜV certified based on:
VDE 0130-201 und DIN EN / IEC 62282-2



Type	LT-PEM Fuel Cell (Low Temperature Polymer Electrolyte Membrane)		
Cells	24	48	96
Power (Rated/Peak)	2.0/2.2 kW	4.0/4.4 kW	8.0/8.8 kW
Current (Rated/Peak)	130/150 A		
DC Voltage	14...28 V	27...55 V	53...110 V
Efficiency	> 52 %		
Hydrogen quality	ISO 14687-2 / SAE J2719		
Operating pressure H ₂	400...600 mbar _g		
Pressure process air*	600 mbar _g		
Coolant	DI-water/ glycol		
Storage temperature	-20°C...+50°C		
Start up temperature	>0°C		
Max. stack temperature	Up to +65°C		
Width x height x length (Overall Dimensions)	246 x 136 x 155 mm	246 x 136 x 247 mm	246 x 136 x 432 mm
Mass	6.5 kg	9.2 kg	14.6 kg
Operating Lifetime	Up to 5000 h		

* Operation at lowered pressure possible with decreased efficiency

Further configurations available on demand

Note: Specifications are subject to change without notifications

Please contact us for product availability and pricing

