Fuel Cells · Power Systems

Proton Motor
Fuel Cell Stacks and Systems

Cleantech Competence

20 Years
Made in Germany

USE CASE

Stationary

PM Cube

Emergency Power Supply – Outdoor use

Typical application areas

- Railway infrastructure
- Telecom / radio stations
- Securing critical infrastructure
- Industry and data centres

Main benefits

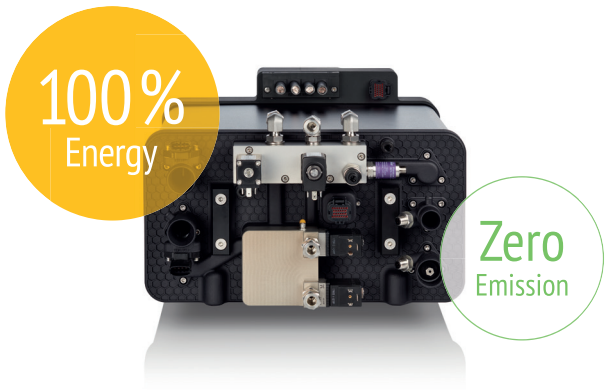
- Combination with battery package possible
- Zero Emission
- Silent operation
- Positive Image
- Customisable
- High Efficiency
- Short Refuelling Time
- Long Life Time
- High Reliability

PM Cube Outdoor Use Case

Nominal Power [kW]	4	6	8
Electrical System			
Output Voltage [V AC, Hz]	230; 50		
Supply Voltage [V AC, Hz]	230; 50		
Consumption of auxiliaries [W]	400*	500*	500*
Hydrogen System			
Hydrogen Quality	ISO 14687-2 / SAE J2719		
H2 Storage [bar_g]	200/300		
Bridging time [hrs]	up to 72		
Cooling System			
Coolant	Air		
Environmental Conditions			
Ambient Temperature [°C]	-40 to 45		
Dimensions / Others			
L x W x H [m x m x m]	3 x 1 x 2.5	4 x 1 x 2.5	4 x 1 x 2,5
Installation Site	Outdoor		
Resistance Class	RC-4		
Options			
Hydrogen Storage Compartment			
Hydrogen Pressure Regulator Station			

* Depending on the ambient temperature

Errors excepted, technical changes reserved
Product specifications are subject to change without further notification



PM 200 Stack Module inside

Fuel Cell Stack Module 2–16

Emergency Power Supply – Outdoor use

Turnkey emergency power supply for critical infrastructure, with energy supply up to 8kW and a Resistance class up to RC-4.

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