

FUEL CELL SYSTEM 200 kW



Designed for **medium-capacity needs**, this fuel cell system offers a solution for electric power generation with hydrogen.

This product is the culmination of 10 years of experience in hydrogen powered stations.

It can be either used alone with hydrogen feeding or combined with PowiDian's electrolyzers for complete autonomous stations.



ADVANTAGES AND PERFORMANCES



Proven technology
10 years of use
by PowiDian



Outdoor use



Optimized start-up
Instant start-up and reactivity



Power control
from 10 to 100 % Pn



Maintenance
Integrated by design



Purity
99,97 %

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SPECIFICATIONS

Electrical

Output voltage	400 Vac 3P+N+T
Frequency	50 Hz (option 60 Hz)
Nominal power	188 kW 235 kVA @cos(phi) = 0,8
Minimal power	10 %
Heat recovery	up to 220 kWt optional

Hydrogen

Maximum input flow	15 kg/h (EOL)
Working pressure	8 to 59 barg (60 to 300 barg optional)
Hydrogen Purity	99,97 % (grade D) / ISO 14687:2019

Battery storage (optional)

Capacity	starts at 64 kWh
Additional power on global system	+ 20 kW for 3 h (+ 10 %)

Mechanical and environmental

Dimensions	20 ft high cube container: 2430 x 6058 x 2890 mm (WxDxH)
Weight	< 10 tons
Operating temperatures	- 10 to 45 ° C
Altitude	< 1000 m

