

# Stack H 100

The ready to use fuel-cell stack!



**Plug and play hydrogen fuel-cell stack**  
Ultra-compact and lightweighting PEM fuel cell,  
ideal for demonstration systems, for all your small  
portable applications and vehicle integration

Compatible with:  
electrolysers Hy-PEM XP  
cartridges MyH2

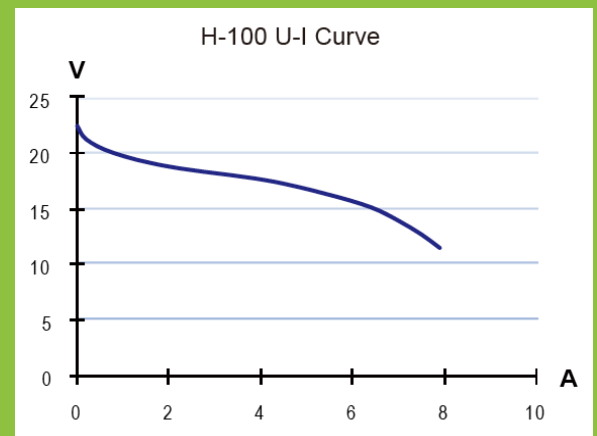
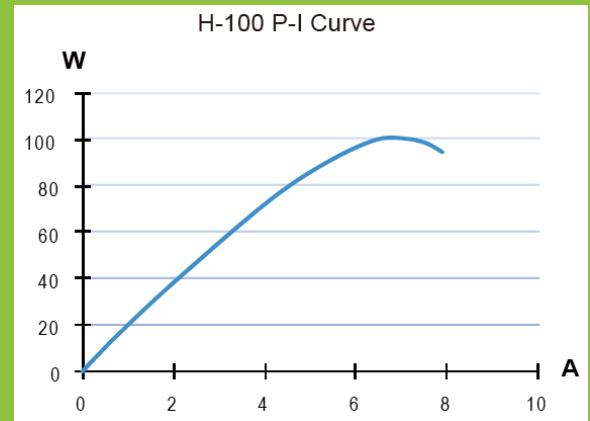


# Smaller and lighter stack, better performance, reliability and easy to install!



## H 100

Type of fuel cell: PEM  
Numbers of cells: 24  
Rated power: 100W  
Performance: 14,4V@7,2A  
H2 supply valve voltage: 12V  
Purging valve voltage: 12V  
Blower voltage: 12V  
Reactants: hydrogen and air  
External temperature: 5 to 30°C  
Max stack temperature: 65°C  
H2 pressure: 0,45-0,55bar  
Hydrogen purity: 99,995% dry H2  
Humidification: self-humidified  
Cooling: air(integrated cooling fan)  
Weight(with fan&casing): 960g (±50g)  
Controller: 400g (±30g)  
Dimension: 13cmx11,2cmx9,5cm  
Flow rate at max output: 1,4l/min  
Start up time: 30S at ambient temperature  
Efficiency of stack: 40% at full power



### OPTIONAL:

Pressure regulators, quick connection kit and electrovalves, DC-DC, DC-AC, ultracapacitors, mass flow meters, compatible electrolysers and metal hydrides canisters, etc.

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