

Stack H 12

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

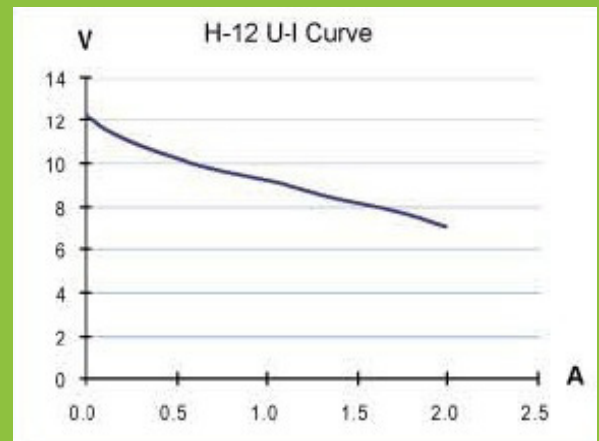
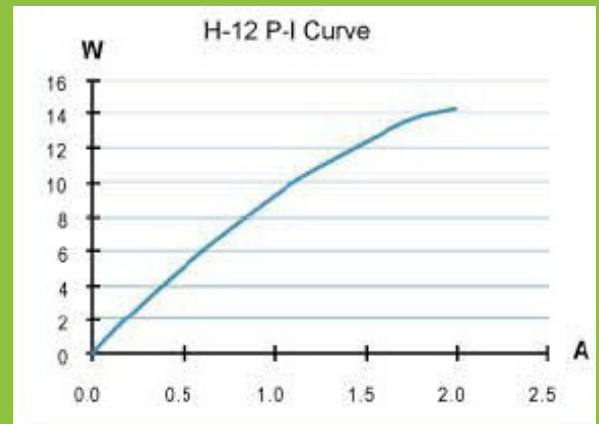


Smaller and lighter stack, better performance, reliability and easy to install !



H 12

Type of fuel cell: PEM
Numbers of cells: 13
Rated power: 12W
Performance: 7,8V@1,5A
H₂ supply valve voltage: 6V
Purging valve voltage: 5V
Reactants: hydrogen and air
External temperature: 5 to 30°C
Max stack temperature: 55°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): 275g (±30g)
Dimension: 7,5X4,7X7cm
Flow rate at max output: 0,18l/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 electrolyzers and metal hydrides canisters, etc.

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