

# Stack H 5000

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

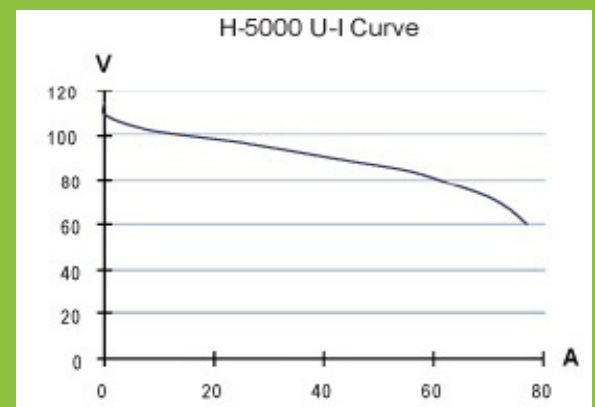
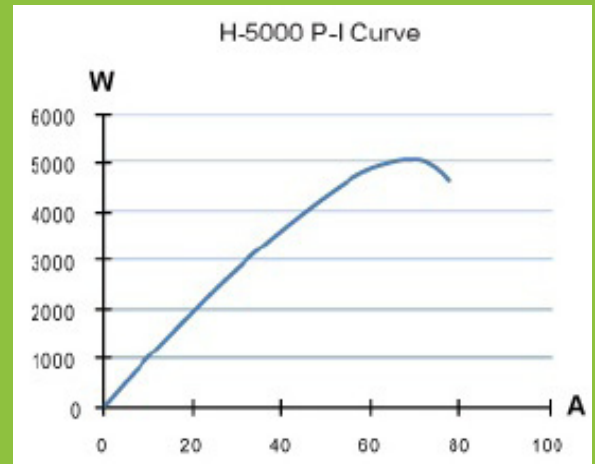


# Smaller and lighter stack, better performance, reliability and easy to install !



## H 5000

Type of fuel cell: PEM  
Numbers of cells: 120  
Rated power: 5000W  
Performance: 72V@70A  
H<sub>2</sub> supply valve voltage: 12V  
Purging valve voltage: 12V  
Blower voltage: 24V  
Reactants: hydrogen and air  
External temperature: 5 to 30°C  
Max stack temperature: 65°C  
H<sub>2</sub> pressure: 0,45-0,55bar  
Hydrogen purity: 99,995% dry H<sub>2</sub>  
Humidification: self-humidified  
Cooling: air(integrated cooling fan)  
Weight(with fan&casing): 30kg (±200g)  
Controller: 2500g (±100g)  
Dimension: 65X35X21,2cm  
Flow rate at max output: 65l/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.

H2planet by Hydro2Power SRL  
Via Campo Rivera 135  
20069 Vaprio d'Adda (MI)  
Italy

Contacts  
tel: +39 02 9098 9883  
email: [staff@h2planet.eu](mailto:staff@h2planet.eu)

