

Stack H 1000

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

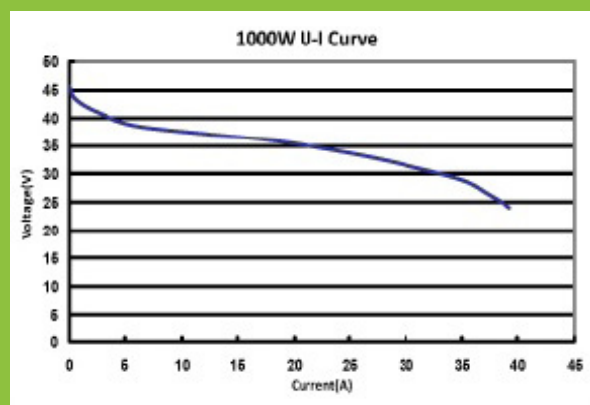
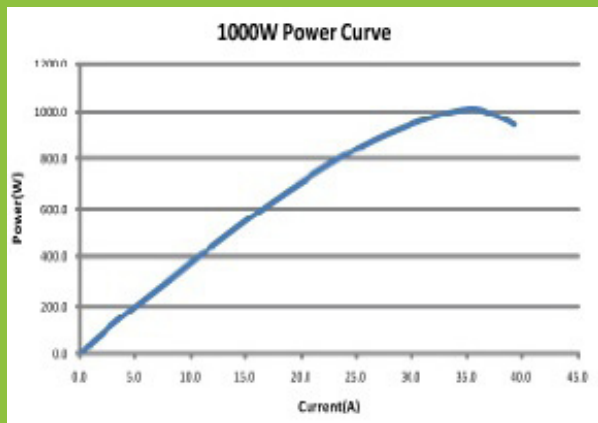


Smaller and lighter stack, better performance, reliability and easy to install !



H 1000

Type of fuel cell: PEM
Numbers of cells: 48
Rated power: 1000W
Performance: 28,8V@35A
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): 4kg (±100g)
Controller: 400g (±30g)
Dimension: 21,9x26,8x12,3cm
Flow rate at max output: 13l/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.

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

Contacts

tel: +39 02 9098 9883
email: staff@h2planet.eu

