

Stack H 500

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 500

Type of fuel cell: PEM

Numbers of cells: 36

Rated power: 500W

Performance: 21,6V@24A

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): 2800g (±50g)

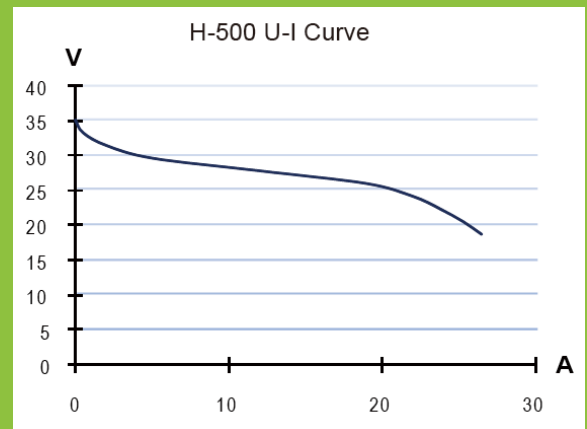
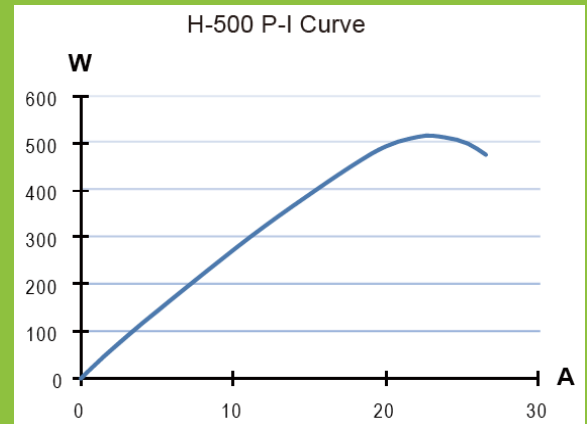
Controller: 400g (±30g)

Dimension: 21,5x12,5x18cm

Flow rate at max output: 7l/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

