

# H-1000XP

Designed for Efficiency

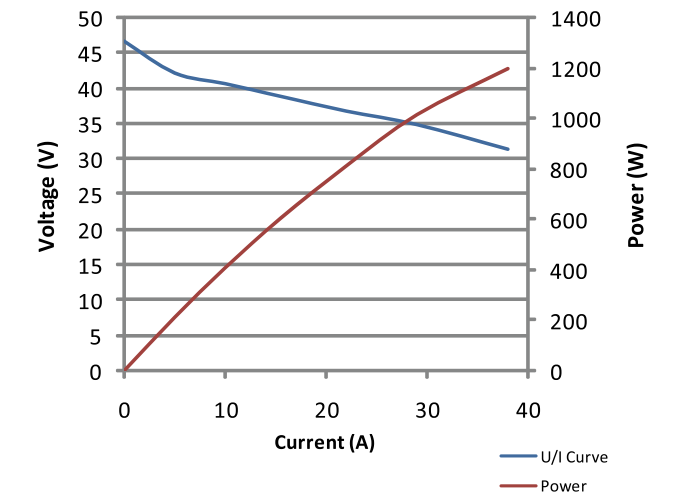


CONCEPT CATEGORY

Built to win.  
Lightweight, efficient, easy to use.



# H-1000XP Competition-grade 1KW fuel cell



- Fuel cell system
- H-1000 stack with blower
  - hydrogen supply valve
  - hydrogen purge valve
  - fuel cell controller
  - manual
  - PU tube

- Safety
- over current protection
  - low voltage protection
  - over temperature protection
  - hydrogen sensor(25% LFL) *(optional)*
  - emergency shut down switch
  - self sustainable function

**NEW! SERIAL PORT MONITOR (Optional)**

The newly designed serial ports monitor will provide real time data from the system to your computer in a neatly designed user interface.

- Efficient: greatly reduced H2 fuel consumption
- Plug & play, easy to integrate!
- Lower weight, smaller size - new materials...
- Compliant with new Eco-marathon rules

Type of fuel cell	PEM
Number of cells	50
Rated power	1000W
Rated Performance	30V@33.5A
Reactants	Hydrogen and Air
External temperature	5 - 35°C
Max stack temperature	65°C
Composition	99.99% dry H2
H2 pressure	7.2 - 9.4 PSI
Humidification	Self-humidified
Cooling	Air
Weight	5.9kg
Dimensions	203mm x 104mm x 264mm
Flow rate at rated output	12.5L/min
Peak efficiency of stack	59%

The new H-1000 XP also offers savings on parts such as DC-DC converters, hydrogen sensors, data acquisition systems and capacitors.

Less time is needed to develop the powertrain – making more time available for vehicle testing and performance optimization!

