

H-500XP

Designed for Efficiency



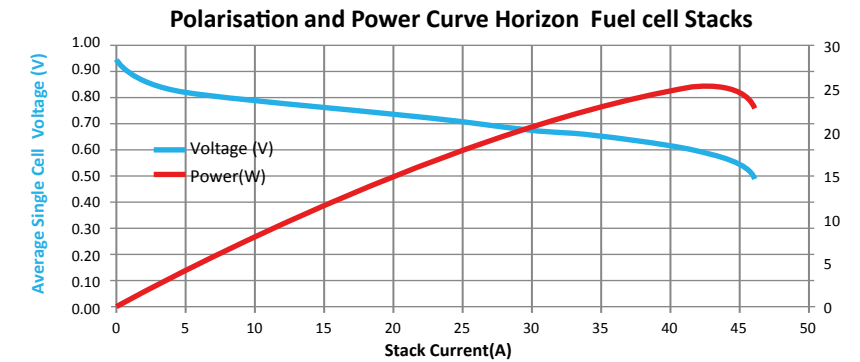
PROTOTYPE CATEGORY

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



H-500XP

Competition-grade 500W fuel cell



- Fuel cell system
 - H-500 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)
 - 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	30
Rated power	500W
Rated Performance	21V@23.8A
Reactants	Hydrogen and Air
External temperature	> 0 up to +35 °C
Max stack temperature	63°C
Composition	99.99% dry H2
H2 pressure	7.2 - 9.4 PSI
Humidification	Self-humidified
Cooling	Air
Weight	5.8kg
Dimensions	150 x 203 x 52 mm
Flow rate at rated output	5.86L/min
Peak efficiency of stack	56%

The new H-500XP 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! all inclusive, easy to integrate system including high performance 500W fuel cell, controller, and serial port monitor for live feed of performance indicators.

