

## Designed for efficiency



-  BUILT TO WIN
-  LIGHTWEIGHT AND EFFICIENT
-  EASY TO USE

## Competition grade 500W Fuel Cell

- H-500 stack with blower
- Hydrogen supply valve
- Hydrogen purge valve
- Fuel cell controller
- Manual
- PU tube

FUEL CELL SYSTEM

- Over current protection
- Low voltage protection
- Over temperature protection
- Hydrogen sensor (25% LFL) (optional)
- Emergency shut down switch Self
- sustainable function
- DC-DC converters (optional)
- Ultra capacitor bank (optional)

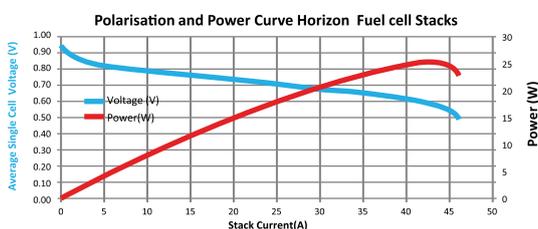
SAFETY



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,

- Efficient: greatly reduced H<sub>2</sub> fuel consumption
- Plug & play, easy to integrate!
- Lower weight, smaller size - new materials
- Compliant with new Eco-marathon rules



H-500 XP

<b>Type of fuel cell</b>	PEM
<b>Number of cells</b>	30
<b>Rated power</b>	500W
<b>Rated performance</b>	18V@27.8A
<b>Reactants</b>	Hydrogen and Air
<b>External temperature</b>	> 0 up to +35°C
<b>Max stack temperature</b>	63°C
<b>Composition</b>	99.99% dry H <sub>2</sub>
<b>H2 pressure</b>	7.2-9.4 PSI
<b>Humidification</b>	Self-humidified
<b>Cooling</b>	Air
<b>Weight</b>	3.9kg
<b>Dimensions</b>	130 x 203 x 52mm
<b>Flow rate at rated output</b>	5.86L/min
<b>Peak efficiency of stack</b>	56%