

Designed for efficiency



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

Competition grade 1kW Fuel Cell



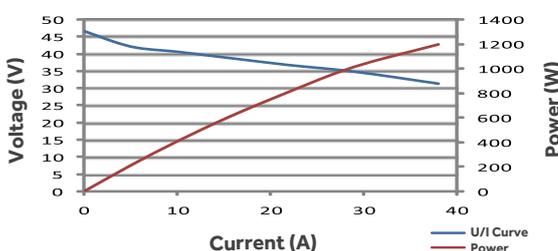
- FUEL CELL SYSTEM**
- H-1000 stack with
 - blower Hydrogen supply
 - valve Hydrogen purge
 - valve Fuel cell controller
 - Manual
 - PUtube

- SAFETY**
- 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)

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 1kW fuel cell, controller and serial port monitor for live feed of performance indicators,

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



H-1000 XP

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 H ₂
H2 pressure	7.2-9.4 PSI
Humidification	Self-humidified
Cooling	Air
Weight	5kg
Dimensions	203 x 104 x 264mm
Flow rate at rated output	12.5L/min
Peak efficiency of stack	59%