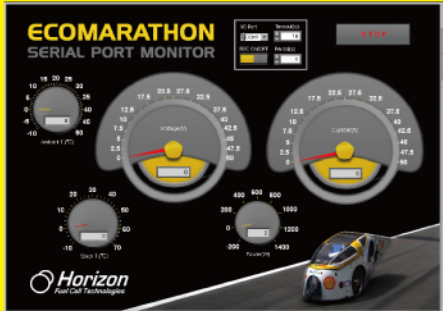


H-1000XP

Lightweight, efficient, easy to use.

With 30-50% weight and size reduction over standard Horizon PEM fuel cells (for the same power output), the H-1000XP is the ultimate Eco-marathon fuel cell system. Using premium materials and a new architecture, this choice will greatly increase your ability to outperform, since participants will now have on-board one of the best performing and most efficient PEM fuel cell stacks available!



NEW!
SERIAL PORT MONITOR
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 2012 Eco-marathon rules

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)
	emergency shut down switch
	self sustainable function

H-1000XP Control box

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!



NEW H-1000XP
1kW fuel cell

H-1000XP pecs	
Type of Fuel Cell	PEM
Number of Cells	50
Peak Power	1100W
Performance	30V@33.3A
Reactants	Hydrogen and Air
External Temperature	5 - 35 C
Max Stack Temperature	65 C
Composition	99.999% dry H2
H2 Pressure	7.2 - 9.4 PSI
Humidification	Self-humidified
Cooling	Air
Weight	3.6kg
Dimension	264x197x117mm
Flow Rate at Rated Output	13.5L/min
Efficiency of stack@1000W	48%@ 30V LHV (net)