

Innovative Products for Fuel Cell Applications

Preliminary Product Information

TekStak™ Educational Fuel Cell Kit

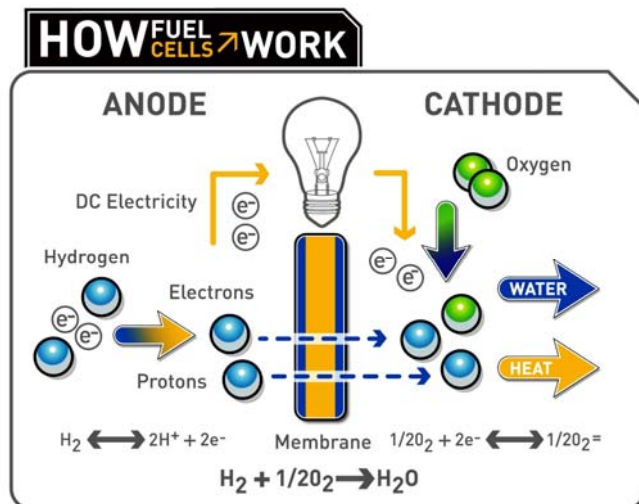
- ✓ Robust family of cell stack hardware allows students to assemble & operate PEM based fuel cells
- ✓ Bipolar Plates & MEA's available to operate this stack in three modes:
 - * Hydrogen/Ambient Air
 - * Hydrogen/Pressurized Air
 - * Direct Methanol



Kit Includes:

- Molded Plastic Endplates
- Graphite Composite Bipolar Plates, BPP's
- Membrane Electrode Assemblies, MEA's
- All Hardware and Gaskets
- Assembly Manual
- DVD with Instructional Video and Fuel Cell Reference Info

**Each Kit Contains Everything You Need to Build a
1, 5 or 10 Cell Fuel Cell Stack**



TekStak™
Educational Fuel Cell Kit

Parker **TDM** **PEMEAS**
Fuel Cell Technologies Fuel Cell Technologies E-TEK Division

Parker has teamed with TDM Fuel Cell Technologies and the E-TEK division of PEMEAS Fuel Cell Technologies to produce the TekStak™ line of fuel cell components, stacks and accessories. This family of rugged, high performance fuel cell hardware was designed to be easily and repeatedly assembled, operated and then disassembled.

Parker and our partners hope that the TekStak™ product line serves as a useful educational tool to help train the next generation of scientists, engineers, technicians and business managers who will be the key players to implement the Hydrogen Economy of tomorrow.

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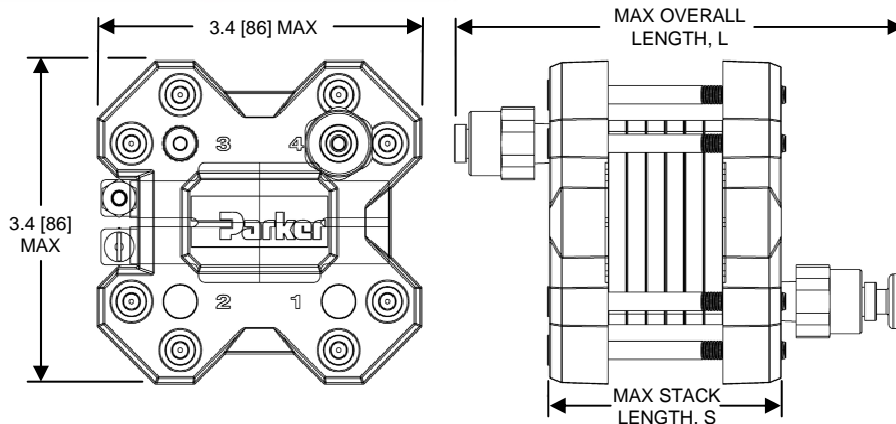
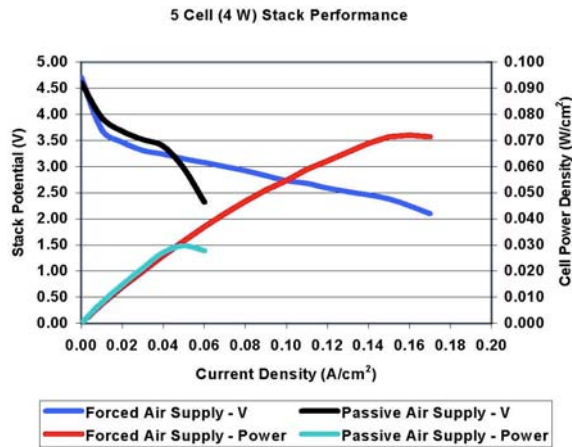
www.parker.com/fuelcells

Parker
anything possible

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Available Product Configuration and Part Numbers					
Fuel Cell Type	P/N	Configuration	Number of Cells	Max Stack Length, S inches [mm]	Max Overall Length, L inches [mm]
HA = Hydrogen-Air These fuel cells utilize ambient pressure air, sometimes referred to as an "air breathing" stack Active Area = 10cm ²	TEK-HA-KIT-100-01	Unassembled Kit	1	1.65 [42]	3.85 [98]
	TEK-HA-KIT-100-05	Unassembled Kit	5	2.50 [64]	4.65 [118]
	TEK-HA-KIT-100-10	Unassembled Kit	10	3.45 [88]	5.65 [144]
	TEK-HA-STK-100-01	Preassembled Stack	1	1.65 [42]	3.85 [98]
	TEK-HA-STK-100-05	Preassembled Stack	5	2.50 [64]	4.65 [118]
	TEK-HA-STK-100-10	Preassembled Stack	10	3.45 [88]	5.65 [144]
	TEK-HA-CEL-100-500	Add-on Cell Kit - Includes MEA, BPP and 2 Gaskets	NA	NA	NA
	TEK-HA-MEA-100-500	Membrane Electrode Assembly, MEA and 2 Gaskets	NA	NA	NA

More Model Numbers and Accessories to be Added Soon!

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