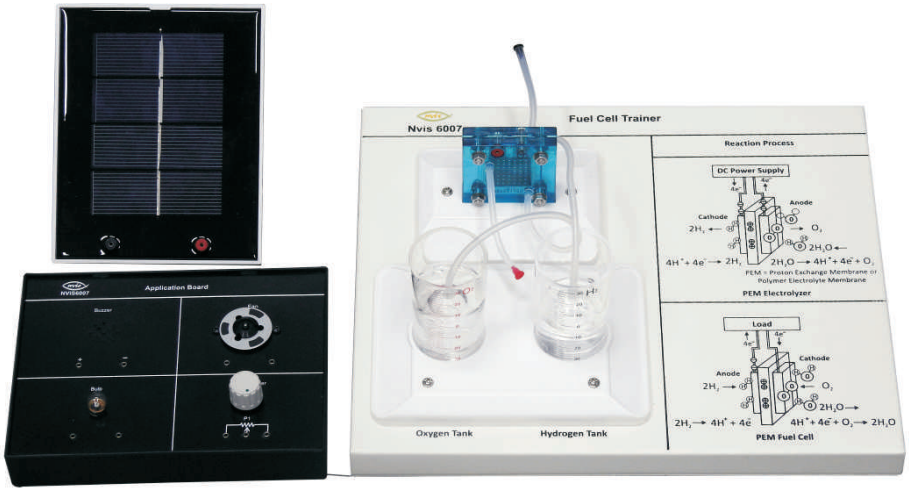
Experimentation with Green Fuel Cell

Nvis 6007



Nvis 6007 Experimentation with Green Fuel Cell demonstrates the Chemistry and Physics principle present in Fuel cell technology. In this technology water is divided in to its basic components i.e hydrogen and oxygen using the process of electrolysis when current is supplied from Sun light using Solar Panel. After splitting, these two gases are stored in two different tanks to make a fuel cell. When required these two gases are recombined to generate electricity using a reverse process of electrolysis.

Features

- Complete Training System to study Solar - Hydrogen cycle
- Reversible Fuel Cell-both as an Electrolyzer and as a Fuel Cell
- Measurement and Application modes
- Weather proof Solar Panel
- Portable and light weight

Technical Specifications

Solar Panel

Voltage (at optimum power point)	:	2.2V DC
Current (at maximum power point)	:	450mA
Dimensions (mm)	:	W 125 x D 155 x H 8

Note: Solar Panel data is based on standard conditions (1000W/m^2, 25^{0}C)

Electrolyzer Function

Input Voltage	:	1.8~2.6V DC
Input Current	:	0.7A
Hydrogen Production Rate	:	7ml / min at 1A
Oxygen Production Rate	:	3.5ml / min at 1A

Fuel Cell Function

Output Voltage	:	0.9V DC
Output Current	:	360mA

Subject to change - Version 2.0

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