

GENERATING CLEAN ELECTRONS

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GT-1500

GENERATING CLEAN ELECTRONS TECHNOLOGY PROGRAM

The GT-1500 Clean Electron Generation Panel provides students an introductory hands-on interactive experience with the 3 leading sources of alternative energy generation technologies.

- **Basic Wind Turbine Operation**
Installing and testing a wind turbine.

Off-Grid Wind Turbine Systems
Configuring and testing off-grid installations.

Wind Power System Design
Design/create a wind turbine

- **Basic Solar Power Operation**
Installing, combining and testing solar panels.

Advanced Solar Panel Systems
Configuring, testing and operating off-grid solar installations.

Solar Power System Design
Design/create a solar charging system for portable hand-held devices.

- **Basic Fuel Cell Operation**
Connecting a fuel cell for electrical generation

Advanced Fuel Cell Operations
Configuring, testing and operating off-grid fuel cell installations.

Adding a Fuel Cell to an Alternative Power System
Connecting a fuel cell into alternative energy systems for off-grid operations.

- **Combining Wind and Solar Power Systems**
Configuring and testing combined alternative energy systems for off-grid operations.

Reinforced with Hands-on Labs



STEM
"Science, Technology, Engineering & Mathematics"

