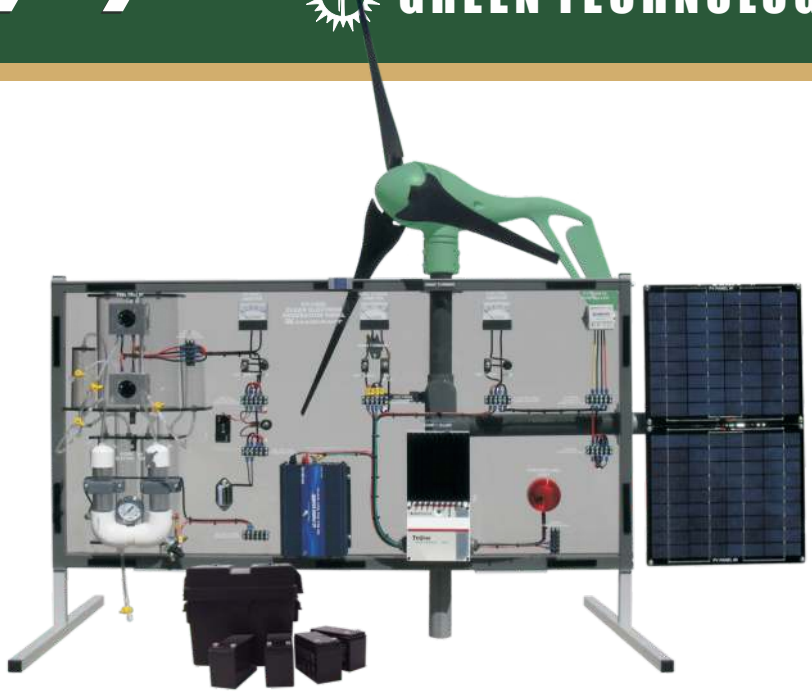
# GENERATING CLEAN ELECTRONS
## GT-1500

**The GT-1500 Clean Electron Generation course provides students an introductory, hands-on, interactive experience with the three leading sources of alternative energy generation technologies: Wind Power, Solar Power, and Fuel Cells. Upon completion, students will confidently be able to identify the individual components of each power generation approach and articulate their function and contribution to the overall process. Will prepare students for full-scale programs ahead.**



**Real World Hands-on Labs!**

**Not Just a Simulation! Hands-on Labs Use the Following Equipment:**

- Photovoltaic Panels
- Wind Turbines
- Diversion Load Controllers
- Battery Storage System
- Electrolyzers
- Fuel Cells
- Inverters
- Control Panel Meters, Switches, & Fuses
- Multimeters

**The Marcraft Generating Clean Electrons Course covers these topics:**

**Wind Power**
- Installing and Testing a Wind Turbine
- Configuring and Testing Off-Grid Installations
- Design and Create a Wind Turbine Power Syste

**Solar Power**
- Installing, Combining, and Testing Solar Panels
- Configuring and Testing Off-Grid Installations
- Design and Create a Solar Charging System for Portable Hand-Held Devices

**Fuel Cells**
- Connecting a Fuel Cell for Electrical Generation
- Configuring and Testing Off-grid Installations
- Combining Wind and Solar Power Systems
- Configuring and Testing Combined Alternative Energy Systems for Off-Grid Operations

**AND MUCH MORE!**

## INCLUDES:

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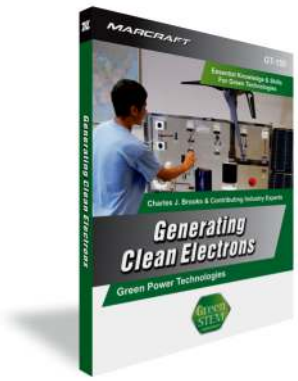
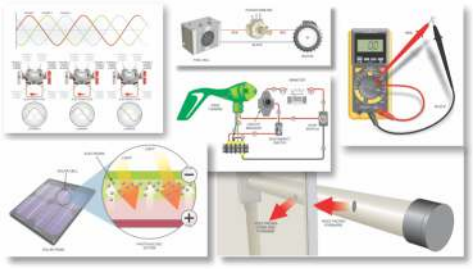
|---|---|
| GT-1500 | Clean Electron Generation Panel |
| GT-150IG | Instructor's Guide with PowerPoint Presentation Media (1 Per Classroom) |

## ACCESSORIES:

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|---|---|
| GT-150 | Generating Clean Electrons Text/Lab Guide |
| GT-15T | GREENSTEM Toolkit for the GT-1500 |
| GT-15C | GREENSTEM Consumable Kit for the GT-1500 |
| GT-150SC | SCADA Package |