Curriculum Coverage

- Solar Cell Characteristics
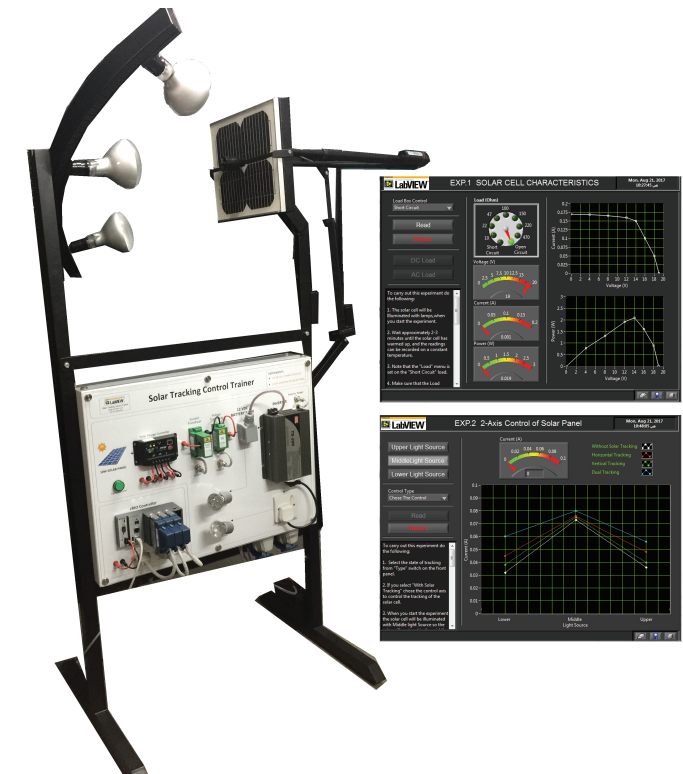- Two -Axis Solar Tracking

Features

- Computer based Solar Tracking Control Trainer

- Includes all required sensors and actuators to perform solar tracking

- For use with National Instruments Data Acquisition & Control hardware

Description

The Solar Tracking Control Trainer is a solar tracking system that is designed to teach students about solar cells, and how to get advantage of the sun's direct heat or light using two axis solar tracking systems.

Developed for use with a wide variety of National Instruments data acquisition and control platforms - easy-to-use, highly expandable programmable automation controllers, intelligent communication interfaces, and rugged I/O modules.

Components

- PV Panel 10W
- Charge Controller
- Photo Diods
- Linear Motors
- DC Load

NI [1] Compatible Platforms

- Compact RIO
- Others [2]

[1.] NI: National Instruments

[2.] Please check with us about compatibility of other NI Platforms

Required NI Modules

- cRIO: NI 9207, NI 9403, NI 9375

Software

- User friendly with easy to use interface

- Developed using NI LabVIEW package

- Built-in safety features & limitations, and designed for students' use

Ordering Information
Solar Tracking Control Trainer

STCT001 - A - B

NI* Platform	Power
1... cRIO	1... 220 VAC

*Purchase NI Hardware Separately

ni Authorized Distributor

For complete product specifications, pricing, and information:
e-mail: info@saabrds.com / website: www.saabrds.com

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