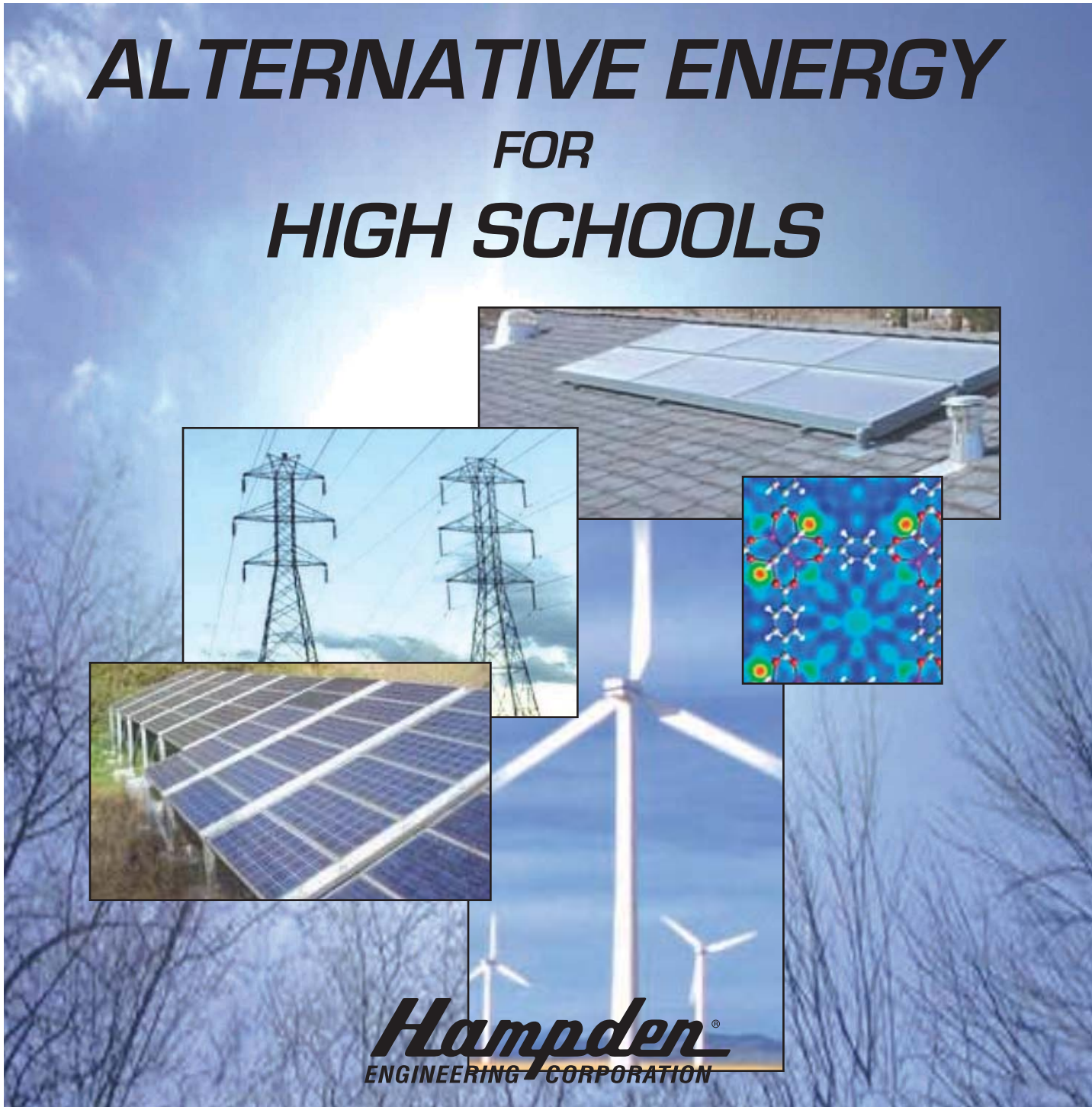


ALTERNATIVE ENERGY FOR HIGH SCHOOLS



Hampden[®]
ENGINEERING CORPORATION

Hampden is a Green Sponsor of



H-SST-1A Solar System Trainer

The Hampden
Model H-SST-1A Solar System Trainer

is an actual solar hot water heating system.

System components include:

- ◆ Solar collector
- ◆ Circulation pumps
- ◆ Storage tank
- ◆ Heat exchanger
- ◆ Air separator
- ◆ Air handler
- ◆ Solar heating coil
- ◆ Automatic air vents
- ◆ Thermostat
- ◆ Control panel with sensors

Gauges, thermometers, and flowmeters permit students to observe pressures, temperatures, and flow rate while the system is in operation.

The trainer is mounted on a mobile frame and the collector panel is adjustable for easy positioning in direct sunlight.



Model H-SST-1A Shown with CDL Computer Data Logging Package and FP Fault Package Options

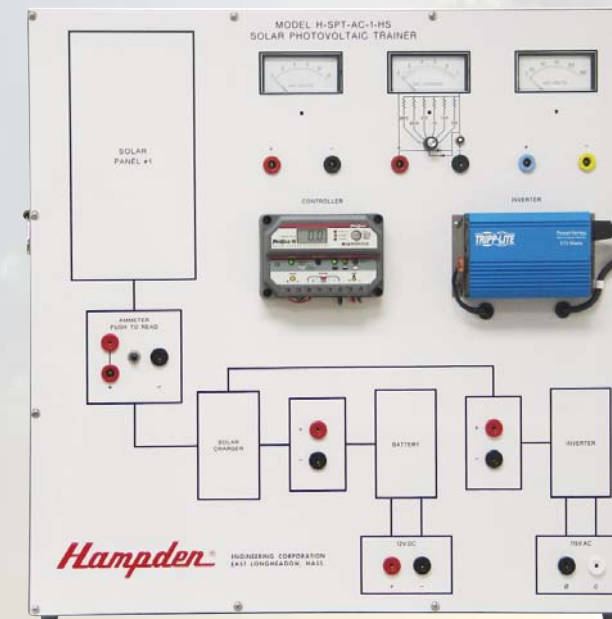
H-SPT-AC-1-HS Table Top Solar Photovoltaic Trainer

The Hampden
Model H-SPT-AC-1-HS Table Top Solar Photovoltaic Trainer

is a control system trainer which lets the student technician examine the electrical layout and operational features normally associated with a photovoltaic power source.

The trainer demonstrates the electrical characteristics of the solar array, storage battery, AC and DC distribution, and AC and DC loading.

The complete charging sequence can be observed.



FRONT VIEW



BACK VIEW

Standard Products...Designed to Meet Your Growing Needs!

WIND POWER

H-WPG-1B-HS Table Top Wind Powered Generator

The Hampden Model H-WPG-1B-HS Table Top Wind Powered Generator

has been designed to provide the student with the basic understanding of how wind generators function as an alternate source of energy. This system consists of a wind source, an DC generator, control panel with internal battery and base assembly. The Hampden **Model H-WPG-1B-HS Table Top Wind Powered Generator** will supply the wind source that will operate the wind turbine. The output of the wind turbine is used to charge a 12 VDC battery mounted inside the control panel.



H-WPG-1B-CA Wind Powered Generator Cutaway



The Hampden Model H-WPG-1B-CA Wind Powered Generator Cutaway

provides the student with the ability to understand the internal workings of an actual 400 watt wind generator.



Hampden is committed to providing industry-leading technology.

For the latest from Hampden, visit our home page at <http://www.hampden.com> or e-mail us at sales@hampden.com

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