

ALTERNATIVE ENERGY SERIES



Solar Photovoltaic Trainer

Model: MEG-SO-A2

The advanced level program utilizes a new design, Model SO-A2, which allows more activities for the student in analyzing the effect of azimuth and zenith angles on the power output. The unit can operate either indoors or outdoors. Solar energy can be simulated by lights, which can be varied in intensity to show the student the electrical output variation. The electric power is measured by an ammeter and voltmeter mounted on the chassis.



Model: MEG-SO-A1

Megatech also offers a similar model that is mounted on a flat classic series board. This unit can operate in and out of the classroom and also comes equipped with a DC to AC inverter to apply outside loads. The trainer has two solar panels mounted on a swivel so that optimal sunlight can be captured and allows the students to measure the azimuth and zenith angles of incident.

SPECIFICATIONS:

The trainer includes:

1. Solar Cell Panel
2. Fan Motor
3. Load Select Switch
4. Load Adjust Dial
5. DC Voltmeter (visual style with LEDs)
6. DC Ammeter
7. Output Terminals
8. Adjustable Tripod for Lamp
9. Positive (+) and Negative (-) Terminals
10. Output Terminals
11. Adjustable Bracket

Ordering Information: MEG-SO-A2

Size: 16" W x 14" D x 12" H

Weight: 18 lbs.

Ordering Information: MEG-SO-A1

Size: 24" W x 24" D x 20" H

Weight: 22 lbs.