

**Product Code . EL-ETS-11556**

## Photovoltaic Trainer



### Description

---

#### Photovoltaic Trainer

Photovoltaic Trainer system may be expanded by the addition of extra optional solar panels and batteries. Instrumentation includes high accuracy solarimeter, panel temperature, electrical charging and load power measurement. A complete 80W solar panel system with instrumentation panel containing a battery charge controller, panel loading system, all relevant instrumentation and an external deep cycle 110Amp hour battery.

#### Experimental Capabilities of Photovoltaic Trainer

- Measurement of solar panel output characteristics under load and the effect of panel temperature.
- Examination of battery charge management system.
- Investigation of electrical conversion efficiency relative to solar radiation.
- Investigation of the effect of panel inclination and angle of latitude.
- Measurement of overall system performance under load.




We are leading manufacturers, suppliers of Photovoltaic Trainer for Energy Training System. Contact us to get high quality Photovoltaic Trainer for Energy Training System for schools, colleges, universities, research labs, laboratories and various industries.

{ "@context": "https://schema.org/", "@type": "Product", "name": "Photovoltaic Trainer", "image": "http://www.educational-equipments.com/images/catalog/product/2140968713PhotovoltaicTrainer.jpg",

---

"description": "Photovoltaic Trainer Photovoltaic Trainer system may be expanded by the addition of extra optional solar panels and batteries. Instrumentation includes high accuracy solarimeter, panel temperature, electrical charging and load power measurement. A complete 80W solar panel system with instrumentation panel containing a battery charge controller, panel loading system, all relevant instrumentation and an external deep cycle 110Amp hour battery. Experimental Capabilities of Photovoltaic Trainer • Measurement of solar panel output characteristics under load and the effect of panel temperature. • Examination of battery charge management system. • Investigation of electrical conversion efficiency relative to solar radiation. • Investigation of the effect of panel inclination and angle of latitude. • Measurement of overall system performance under load. We are leading manufacturers, suppliers of Photovoltaic Trainer for Energy Training System. Contact us to get high quality Photovoltaic Trainer for Energy Training System for schools, colleges, universities, research labs, laboratories and various industries.", "brand": "Educational equipment", "sku": "5", "gtin8": "5", "gtin14": "5", "gtin13": "5", "mpn": "5", "aggregateRating": { "@type": "AggregateRating", "ratingValue": "5", "bestRating": "5", "worstRating": "0", "ratingCount": "15" } }

---

Educational Lab Equipments,  
#449, HSIIDC, Industrial Area, Saha, Haryana  
Direct Contact Details  +91-98173-19615  sales@educational-equipments.com  
 [www.educational-equipments.com](http://www.educational-equipments.com)