

Technical Specifications

- Supply Voltage: 12V DC.
- Solar Panel
- Maximum Output: 18W Power (Pm)
- Open Circuit: 21V DC Voltage (Voc)
- Short Circuit: 1.07A Current (Isc)
- Max. Output: 17V Voltage (Vmp)
- Max. Current (Im): 1.06A DC Motor: 12V
- Rechargeable Battery: 12V, 7Ah
- Display: 20 x 4 LCD
- Light Sensor: Phototransistor
- Acceleration/Vibration: +5V @ 1ma current/Tilt Sensor – 3 Axis
- Fuse: 1Amp (3 Nos.)
- DC Adaptor : 12V @ 1Amp
- With 8-bit AVR microcontroller running up to 20 MHz with an
- Operating voltage of 1.8–5.5 V.
- It has 32 KB Flash, 2 KB SRAM, and 1 KB EEPROM for program and data storage.



Note Shown image is just for illustration original may differ

Complete training system to study the fundamentals of Solar Tracking

- Single-axis and Dual-axis Tracking
- Manual, Time and Auto Modes of operation in Single Axis Solar Tracking
- Manual mode of operation in Dual- axis Solar Tracking Master Reset Switch for recovery of System
- Atmega32 based design with Rheostat 1.6A , 100ohm
- Halogen Lamp of 500 Watt with Tripod
- Emergency Motor Stop Switches
- Tilt Sensors for sensing angle of panel with respect to horizontal plane.
- Facility for charging battery using Solar energy as well as DC supply