55928 Understanding Solar Tracking System is a versatile training system for study and demonstration of Solar tracking.
Solar tracker is a device which tracks the motion of the Sun, thus ensuring that the maximum amount of Sunlight strikes the panels throughout the day.

Features

1. Complete training system to study the fundamentals of Solar Tracking
2. Microcontroller based Tracking System
3. Single-axis and Dual-axis Tracking
4. Manual, Time and Auto Modes of operation in Single axis Solar Tracking
5. Manual mode of operation in Dual-axis Solar Tracking
6. Master Reset Switch for recovery of System
7. Emergency Motor Stop Switches
8. Tilt Sensors for sensing angle of panel with respect to horizontal plane
9. Facility for charging battery using Solar energy as well as DC supply

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 /Tilt Sensor – 3 Axis	:	+5V @ 1ma current
Fuse	:	1Amp (3 Nos.)
DC Adaptor	:	12V @ 1Amp
Dimension (mm)	:	W 350 x D 280 x H 55

Note: Specifications are subject to change.

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Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-9829132777; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com