

SUN LINK Solar Tracker

The small PV sensor modules mounted on the east and west sides of the array give extremely accurate information to our innovative control circuit. The powerful actuator drives the array to the correct position quickly and accurately. A 1000 watt array mounted on the Sun-Link will recover all the energy used to drive the tracker through a full days operation in just 30 seconds of full sun.



Advantages over roof mounted PV arrays

- 1) Lower cell temperature = higher output. Air flow around the array is unrestricted. Avoids heat radiated from the roof itself.
- 2) Easy seasonal adjustment from the ground avoids the danger of climbing and possible damage to the roof from ice.
- 3) More range of adjustment allows near vertical winter angle, almost eliminating snow cover on the modules.
- 4) High noon performance from early morning.

SUN-LINK
is available

- * Comes complete with flanged steel mounting post, mounting bars specific to your brand & size of module & stainless fasteners for modules.
or
- * A control and drive package for your own solar tracking structure.

Warranty

The sun-Link tracker control - 5 years
The PV sensor modules - 10 years
The actuator arm - 2 years

Manufactured By:
Northern Lights Energy Systems Ltd.
#900 Hwy. 548
Richards Landing, Ontario
(705)246-2073
info@sunlinksolartracker.com
www.sunlinksolartracker.com

Available From:

SUN-LINK
SOLAR TRACKER™



Your Link to
More Power

Get More from
Your Modules

SUN-LINK

Solar Trackers

Reliable and Inexpensive

The Sun-Link tracker delivers amazing performance. Typically the tracker's first movement is 20 to 30 minutes after sunrise on flat terrain. The circuitry is designed to operate in steps, following the sun across the sky, making it more efficient than continuous movement.



On bright cloudy days the PV array will take advantage of dispersed light by facing south. On dark rainy days the tracker will not move when there is no increased advantage in power output. This is a single axis tracker that uses unique circuitry and photovoltaic technology to sense the direction of maximum power output.



Features:

- A powerful actuator which allows full function in windy areas.
- Is not affected by hot or cold weather.
- Has a robust circuit, rated 200% above maximum load, and is epoxy potted to protect it from the environment.
- Does not put a parasitic load on your system. The power from your system is only used to activate the actuator when the circuit determines there is an advantage in moving the array.
- Works with any battery charging system from 12 to 48 volt.
- AC power supply allows the system to work without batteries.



SUN-LINK Tracker Frames

- Rated for 144 kph winds with 100 sq. ft. of solar modules.
- The frame adjusts for most popular PV modules.
- Has a simple manual seasonal adjustment that can be accomplished in minutes.
- Tracker frames are constructed of two part epoxy coated steel and are assembled on site.
- New aluminum channel module bars

Advantages:

- Will position itself south on bright cloudy days, even if the sun is not visible.
- Doesn't tend to follow the edge of the clouds.
- It will not move unless there is a significant increase in PV power output.
- It is immune to electrical disturbances in the DC system caused by charge controls and inverters.
- Sun-Link is very efficient by moving in steps, waiting for the sun to pass and following in its path. Typically plus or minus ten degrees.