SUN ACTION Trackers
Eyeing the Sun

Utility DualTrack 42/48
(Dual Axis Tracker)

Global Presence

At Sun Action Trackers, we have the knowledge and expertise to better serve you. We've deployed over **1.5GW** of proven solar technology worldwide. We manufacture and deliver the highest quality products to Utility, Agricultural & Commercial and Residential market.

Reliability & Bankability

We guarantee bankability and stability on our products and technology with a Technical Due Diligence Report from **Black & Veatch** and **UL.** Furthermore, giving you breakthrough solar tracking systems that are reliable and efficient.

Sun Action Trackers
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Commercial & Agricultural DualTrack 42/48

(Dual Axis Tracker)

"All terrain" DualTrack.

It can be installed in nearly **any terrain**, including flood zones, landfills, farmlands, hill and mountain slopes with **Zero civil cost**

Sun Action Trackers' DualTrack is perfect for your Utility, agricultural, commercial, and industrial projects. DualTrack can be mounted with **42 or 48 panels** (72cell).

Compared with other system:

- Single axis tracker or Fixed tilt + **Civil cost** = Dual Axis Tracker
- **Reduce 30% of solar panel counts** with same output by using Dual Axis Tracker
- In general, Dual Axis Tracker generates **45%** more than Fixed Tilt and **25%** more than Single Axis Tracker (actual results may slightly vary by region)

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Residential DualTrack 24/42

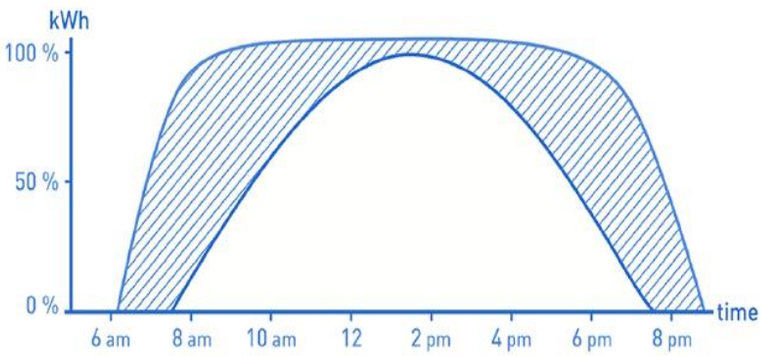
(Dual Axis Tracker)

More Power To You

The DualTrack 24/42 captures the most optimal energy for your home, thanks to our Real-time Sensors that guide our systems to the **maximum point of 70% increased** production comparing with Roof-top solar.

- Generate **45% more** productions than fixed tilt solar by tracking the sun
- Generate **15% more** productions than Roof-top solar by using Bi-facial panel
- Generate **10% more** productions than Roof-top solar because Roof-top solar can not install the optimal angle and direction to the sun

(actual results may slightly vary by region)



Dual Axis vs. Rooftop Output

Key Features & Benefits

Technical supports - We provide company support during the lifetime of the tracker (Operation and Troubleshooting).

Low and easy maintenance - low voltage DC motors which require low maintenance and minimum downtime.

Remote Monitoring and control [Optional] - Use communication protocol programmed with wireless capabilities to remotely control and to check your tracker status from anywhere with a WIFI connection.

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DualTrack 24/42/48
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Key System Advantages

Real Time Sensing

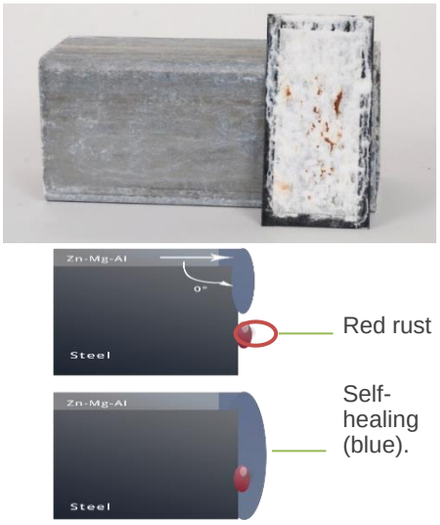
Real Time Sensing Technology is a patented solar tracking sensor developed to provide a more efficient way of solar tracking than traditional solar tracking methods**.**

No Calibration for tracker required
No wasted energy during cloudy day
4% – 6% Average increased energy generation than GPS tracking system

MAC Steel

Magnesium Alloy Coated (MAC) steel is tested and engineered to be 5-10times more resistant to corrosive environments compared to standard galvanized steel

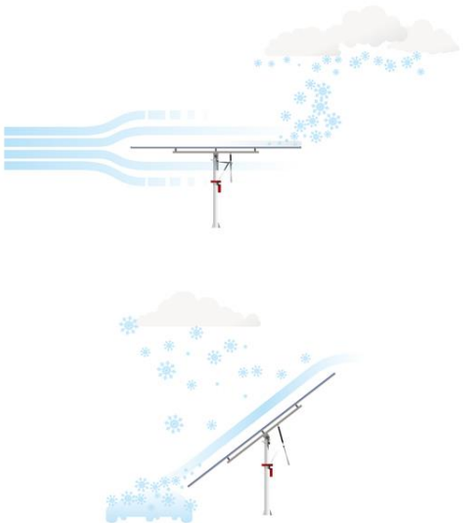
The self-healing properties of MAC steel can extend the life of your project and provide further bankability to your investment



Wind/Stow Mode

When defined wind speed if triggered, trackers move to stow mode to protect project investment. Once the wind speed has returned to normal operational tolerances, trackers will return to work.

Operational Wind Loads support up to 56mph(25m/s) before Stow mode initiates.



Snow mode

Certain environments require the use of snow shedding and other accommodations to keep trackers working year round.

With the use of Real Time Sensing, Sun Action Trackers can determine snowy and overly cloudy conditions and move to snow mode,

Snow Mode sends the tracker into a 60 degree tilt to easily shed snow from the solar panels and keep snow from accumulating

Tracking Type	Dual Axis	Dual Axis	Dual Axis
Model	DualTrack 24	DualTrack 42	DualTrack 48
Module Area (Max)	53m^2 (24 Modules for 72-Cell)	85m^2 (42 Modules for 72-Cell or 49 Modules for 60-Cell)	100.6m^2 (48 Modules for 72-Cell)
Weight	~1420 kg (3130 lb) Without Modules	~1970 kg (4343 lb) Without Modules	~2140 kg (4717 lb) Without Modules
Tracking Range of Motion	Azimuth: -135º to 135º	Azimuth: -135º to 135º	Azimuth: -135º to 135º
	Vertical: 0º to 60º	Vertical: 0º to 60º	Vertical: 7.4º to 56º
Azimuth Rotation	Slew Drive	Slew Drive	Slew Drive
Vertical Rotation	Linear Actuator	Linear Actuator	Linear Actuator
Control Box Power Supply	100~240V_{AC}, 50/60Hz (1 Phase)	100~240V_{AC}, 50/60Hz (1 Phase)	100~240V_{AC}, 50/60Hz (1 Phase)
Materials	Hot Dip Galvanized Steel / MAC Steel	Hot Dip Galvanized Steel / MAC Steel	Hot Dip Galvanized Steel / MAC Steel
Solar Tracking Method	Real-Time Sensor	Real-Time Sensor	Real-Time Sensor
Maximum Wind Speed (0° Tilt Only)	47 m/s (105 mph)	47 m/s (105 mph)	47 m/s (105 mph)
Maximum Operational Wind Speed	18 m/s (40 mph)	18 m/s (40 mph)	18 m/s (40 mph)
Stow Mode (Automatic Horizontal Positioning)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)	Wind mode, Cloudy Day or Sunset(Less than 3,000 Lux)
Operating Temperature Range	-40ºC (-40ºF) to 55ºC (131ºF)	-40ºC (-40ºF) to 55ºC (131ºF)	-40ºC (-40ºF) to 55ºC (131ºF)