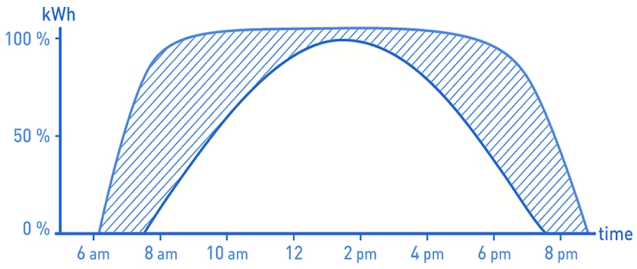
SUN ACTION Trackers
Eyeing the Sun

DualTrack 24/42

Residential Dual Axis Solar Trackers

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 sunlight throughout the day. This results in **up to 60% increased production with bi-facial solar modules and up to 45% increased production with standard mono-facial modules .**



Dual Axis vs. Rooftop Output

Sun Action Trackers
3660 Thousand Oaks Blvd Suite 316
San Antonio, TX 78247
www.sat-energy.com
info@sat-energy.com

Key Features

Reliability

Contains self-healing Magnesium Alloy Coated (MAC) Steel, a strong alloy that is 5-10 times more resistant to corrosion than galvanized steel.

Utilizes patented Real-Time Sensors for ultimate tracking, allowing no wasted energy during cloudy days unlike conventional GPS input tracking systems that follow a pre-programmed path.

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

Installation Flexibility

Simple electrical Plug N' Play connections with the use of Real Time Sensing Technology. No pre-programming or skilled technicians required.

Can be installed on any terrain.

Flexible system that can accommodate any commercially available solar modules.

Low Maintenance

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

No skilled technicians are required.

SUN ACTION Trackers
Eyeing the Sun

DualTrack 24/42
Residential Dual Axis Solar Trackers

Key System Advantages

Real Time Sensing

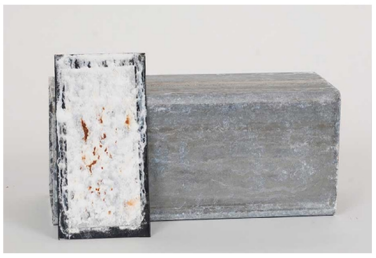
Real Time Sensing Technology is a patented solar tracking sensor developed to provide a more efficient way of solar tracking than traditional solar tracking methods. Key advantages to Real Time Sensing:

No calibration required
No wasted energy during low light conditions
Guaranteed Maximum Production based on light conditions

MAC Steel

Magnesium Alloy Coated (MAC) Steel is tested and engineered to be **5-10 times 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.

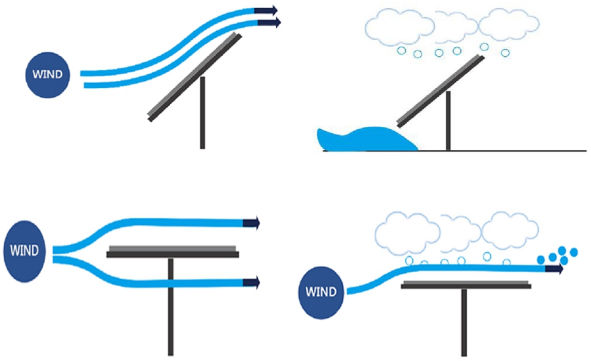


Wind/Stow Mode

When defined wind speed is triggered, Sun Action Trackers move to Stow Mode to protect project investment. Once the wind speed has returned to normal operational tolerances, Sun Action Trackers will return to work.

Opertational Wind Loads support up to 56 Mph (25 m/s) before Stow Mode initiates.

Once Stow Mode has been initiated, wind loads up to 105 Mph (47 m/s) can be sustained by the tracker safely.



Snow Mode

Certain environments require the use of snow shedding and other accomodations 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.

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. You can track production, current weather conditions and much more.

System Specifications

Model	DualTrack 24/42	DT-24	PST-2AL
Tracking Range of Motion	Azimuth: -120° to +120° Vertical: 0° to 60°	✓	✓
Azimuth Rotation	Slew Drive	✓	✓
Vertical Tilt	Linear Actuator	✓	✓
Power Supply to Controller	100-240VAC / 50~60Hz	✓	✓
Materials	MAC Steel / Hot Dipped Galv	✓	✓
Max Wind Speed	47 m/s | 105 Mph	✓	✓
Stow Mode (Auto Horizontal)	Wind Mode | Less Than 3000 Lux	✓	✓
Safey Mode (Tilted Position)	Snow Mode	✓	✓
Operating Temperature Range	-35° to 55°C (-13° to 131°F)	✓	✓

Sun Action Trackers | 3660 Thousand Oaks Blvd Suite 316, San Antonio, TX 78247 | www.sat-energy.com| info@sat-energy.com