

BENEFITS

Higher Energy Delivery

Delivers more energy per land area than competing systems

Rapid Deployment

Complete systems ship ready for fast, simple installation without ground penetrations

Patented Single-Axis Design

Fewer moving parts means more reliability and less maintenance

No Panel Shading

Sophisticated backtracking algorithms avoid panel shading while increasing energy production

Fully Scalable

Scales easily from small to large multi-megawatt installations

Reliable and Robust Design

Galvanized, corrosion-resistant steel and low-profile frame provides superior strength



Nellis Air Force Base - 14 MW - Nevada, USA

T20 TRACKER

HIGHER ENERGY DELIVERY & RAPID DEPLOYMENT



The SunPower T20 Tracker is the next generation in SunPower solar tracking technology. Built on the same proven, reliable design of the original PowerTracker[®], the T20 Tracker represents the ideal combination of solar technology performance and system scalability. By tilting high-efficiency SunPower panels at 20-degrees and tracking on a single-axis to follow the path of the sun, the T20 Tracker generates up to 30% more energy than traditional fixed-tilt systems.

Specifications and Details

Attribute	Specification
Tracking Type	Tilted Single-Axis (with backtracking)
Tilt Angle	20 Degrees
kW per Drive Motor	Up to 250kWp
kW per Tracker	Up to 3.4 kWp
Drive Type	Linear Actuator
Operation	Grid-Connected
Warranty	Full System Warranty with On-Site Service



SunPower Tracker vs. Conventional Solar Tracking Systems: A 1MW System Comparison

By tilting its single-axis at 20-degrees, the SunPower T20 Tracker collects energy at levels similar to dual-axis trackers. The single-axis design also minimizes shading, enabling tighter spacing and requiring up to 35% less land than conventional solar tracking systems. At low sun angles, the T20 Tracker employs its proprietary backtracking feature to prevent shading and to optimize energy production. In conventional tracking systems, backtracking is generally much less effective and yields inconsistent results.



Parameter	SunPower T20 Tracker	Conventional Tracker
Motors per 1MW	4	200
Land Area Required per 1MW	2 to 3 Hectares	4 to 6 Hectares
Operating Wind Resistance	Up to 130 Km/h	Up to 80 Km/h
Energy Gain vs. Fixed Tilt Systems (kWh/kW)	Up to 30% More	Up to 35% More
Self Shading on Panels	None	Partial Shading
Solar Tracking Method	GPS Controller Tracking	Active Solar Sensing

SunPower Tracker technology is protected by US Patent 6,058,930. International Patents 1169604 (France, Portugal, Spain and UK) and 60015950.7 (Germany).

Other US and/or international patents issued or pending may apply.

About SunPower

SunPower designs, manufactures and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50 percent more power than conventional solar cells. Our high-performance solar panels, roof tiles and trackers deliver significantly more energy than competing systems.