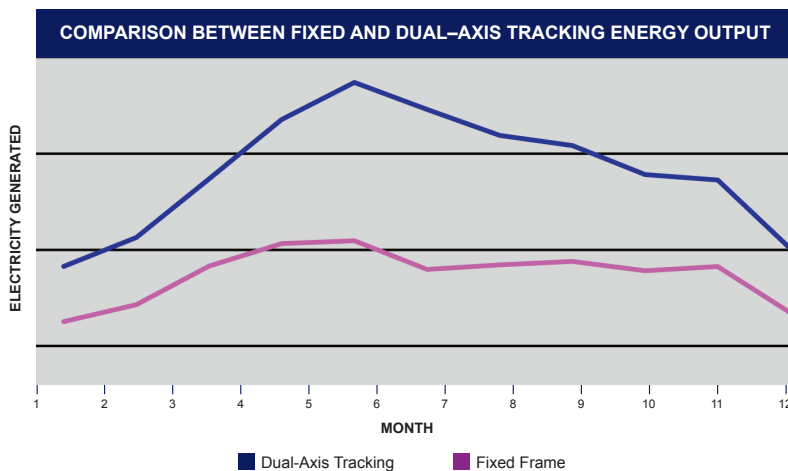


InteliTrack™ IT2000 Dual-Axis Tracker



Designed for commercial and industrial scale power projects, the IT2000 is a dual-axis tracking system utilizing Sedona Energy Lab's patent-pending **Balanced/Frame™** technology. With its lightweight, low-to-the-ground design, the InteliTrack is engineered for cost-effectiveness:

- 40% more power than a fixed frame system^{1,2}
- 15%–20% more power than a single-axis tracking system^{1,2}
- 30% fewer panels to generate the same electrical output
- Payback in half the time compared to a fixed frame system³
- 13%–17% lifetime ROI³
- Quick, easy assembly without the need for a crane or heavy earth-moving equipment



MAXIMUM POSSIBLE POWER

Most locations do not lend themselves to perfect alignment of the PV array — lot orientation, roads, fences and buildings can interfere with the alignment. The result is that many solar power systems under perform.

The InteliTrack's dual-axis system overcomes sub-optimal conditions by neutralizing misalignment and positioning the array correctly. Even if the array is off-axis by 90° or more, the InteliTrack can compensate — even tilting over from horizontal to capture solar energy in the summer when the sun's path is north of vertical in the morning or afternoon, capturing all possible energy.

The InteliTrack always produces the maximum possible power.

Balanced/Frame™ Technology

By pivoting the PV Panels and their supporting frame structure around their center axes, the InteliTrack is always in balance no matter how the array is oriented.

That means:

- a minimal footing required to support it
- minimal power needed to tilt it
- lightweight mechanisms to move it

All of which save significantly on cost.

¹ 40% power increase compared to an optimally installed fixed frame system. Increase can be 100% or more compared to most rooftop systems, especially residential systems, since they are rarely optimally positioned

² National Renewable Energy Laboratory

³ Specific results depend on actual installation and local conditions

PANELS	5 PV panels up to 85" x 45"; 215.9cm x 114.3cm
GANGING	Up to 15 units driven by one set of actuators
CONTROLLER	Yokogawa HXS10 algorithmic
ROTATION	Azimuth: -45° to +45°; Elevation: 10° to 120°
BACKTRACKING	Yes
DRIVE SYSTEM	Electric linear actuators: Zenith -2 ; Azimuth -1
STRUCTURE – OUTER FRAME	Extruded aluminum rectangular tubing
STRUCTURE – PANEL SUPPORTS	Structural aluminum frames
BEARINGS	Bronze frictionless — no maintenance required
MAX INSTALLED DIMENSIONS	8'H x 20'L x 8'D; 2.4m x 6.1m x 2.4m
WEIGHT	175lbs; 79.3kg
WIND PROTECTION	Optional — park in protective mode at 40 mph
OPERATING TEMPERATURE	- 13° to 131° F; - 25° to 55° C
GROUND COVERAGE RATIO	0.30 to 0.40
WARRANTY	10 years on frame, manufacturers' on other components
CUSTOMIZATION	Custom length systems by quote
MANUFACTURED	USA

INTELITRACK™ IT2000 DUAL-AXIS TRACKER – STRUCTURAL DESIGN

