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Overview

 RayTracker GC: Rugged, Reliable, Cost-Effective Solar Tracking

RayTracker GC is a single-axis tracker system that significantly increases the lifetime energy yield of a photovoltaic system, improving the return on investment for commercial-scale, ground- or carport-mount installations. The RayTracker GC robust construction, distributed actuation, and use of standard photovoltaic modules delivers an exceptionally reliable and cost-effective tracking system.

Performance
RayTracker GC improves energy yield by optimally positioning the solar panels throughout the day. Energy boosts of up to 38% are possible compared to flat-mounted panels. Single-axis trackers outperform fixed-tilt installations most importantly during peak energy demand periods. RayTracker GC achieves this with a simple, low-profile, low-parts-count mechanism.

Distributed Actuation
The RayTracker GC system features distributed actuation — each unit has an individual, low-voltage DC actuator motor. Distributed actuation provides advantages for system reliability, installation, tracking accuracy and plant layout flexibility. This means that RayTracker GC installations are readily scalable — from kilowatts to gigawatts.

 Custom actuator; proprietary shade avoidance technology

Technology
RayTracker GC maximizes energy production with Shade Avoidance Technology — a feature that eliminates energy-robbing tracker-to-tracker shading.

Precision
The tracking function is provided by a custom microprocessor controller that uses a GPS time reference and a precise astronomical algorithm to automatically and accurately point the panels at the sun. The position of each actuator is monitored by the controller to ensure alignment. One controller serves 12 RayTracker GC units, and is included with the system.

Complete
RayTracker GC is a complete PV racking system, supplied with module-specific, pre-drilled panel mounts and hardware. Each RayTracker GC unit is approximately 80' long (24.5m) and accommodates 24 to 34 standard PV modules and will generate between 5.5kWp and 6.7kWp (depending on module type).

> [See the RayTracker GC Specifications](#)

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 **RAYTRACKER GC BROCHURE**

 **RAYTRACKER GC SPEC SHEET**

 RayTracker is astounding. stout and elegant. - CEO, Independent CA Integrator

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