

FACTORY-DIRECT TRACKERS

One-In-Portrait

About

OMCO Solar[®], a MacLean-Fogg Company, is your one-source partner, combining quality tracker solutions, 100% domestic content, competitive pricing, expert support, and industry-leading responsiveness. As the supplier and manufacturer, we ensure logistics savings, fast lead times, and customization to meet site-specific and customer requirements. Our nationwide manufacturing footprint and direct product interaction delivers unmatched value for all modules and solar project complexities.

Why Choose Us?

- ✓ Factory Direct
- ✓ Short Lead Times
- ✓ Low Freight Costs
- ✓ Reduced Field Labor
- ✓ Cost Efficient
- ✓ Quality Assurance
- ✓ Enhanced Flexibility
- ✓ 180MPH Wind Capacity

ADJUSTABLE BEARINGS

Faster installation and compensation for post misalignment

MORE STRINGS PER TRACKER

Fewer motors and controllers per MW

WIDEST RANGE OF MOTION

Equals highest KWH production

BALANCED TRACKER

Lower energy consumption & long, straight rows

HIGH DOMESTIC CONTENT

Made by OMCO Solar in our 5 US manufacturing plants

FEATURES	TECHNICAL SPECIFICATIONS	
Tracking Technology	Single-row, horizontal, balanced, single-axis	
Tracking Range	120°	
Modules and Configurations	1-in-portrait Monofacial and bifacial modules Framed silicon module – Up to 120 per tracker First Solar Series 6 & Series 7 modules – Up to 96 per tracker	
Dimensions	Height – Modules at 60°–2.4 m (7.8 feet) Width – Modules horizontal – 2.0 m (6.5 feet) Length – Up to 122 m (400 feet)	
Foundations	Driven C posts – OMCO produced, lower cost, faster lead time Driven I or W posts – OMCO sourced OMCO Ground Screw Foundations	
Structural Materials	Galvanized steel per ASTM A653	
Drive	1 slew drive per tracker 20 drives per MW (typical)	
Motor	1 24-volt dc motor per tracker 20 motors per MW (typical)	
Controllers	Zigbee option ac or dc power Wind protection Overcast feature Snow feature Cellular and/or SCADA NERC/CIP compliant Long life LiFePO ₄ battery Browser-based monitoring app	OMCO Star option dc power for all climates Wind protection Overcast feature Snow feature Cellular and/or SCADA NERC/CIP compliant Field replaceable LiFePO ₄ battery LoRa communication - range>2km Browser-based monitoring and control app
Step Size	1°	
Tracking Algorithm	Based on United States Naval Observatory Solar Position Algorithm Tracking accuracy ±2°	
Backtracking	Optional – Optimized for each tracker based on topography	
Night Stow	Yes	
Flood Sensor	Optional	
Bearings	Self-lubricating, long-life polymer blend wear surfaces Adjustable in multiple dimensions to take up post misalignment Delivered fully assembled from the OMCO Solar factory	

FEATURES	TECHNICAL SPECIFICATIONS	
Wind Stow	Yes	
Snow Stow	Yes	
Snow Sensor	Optional	
North-South Slopes	Up to 15%	
Installation	No welding or cutting in the field	
Compliance	UL3703, ASCE7	
Warranty	Structural	10 years
	Control System	5 years standard, 10 years optional
	Drive	5 years
	Motor	5 years
	Dampers	4 years



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