

Tracking technology:	Single-row, horizontal, balanced, single-axis	
Tracking range:	120°	
Modules and configurations:	Framed silicon modules - Up to 120 2-in-landscape	
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 Driven I or W posts	
Structural materials:	Galvanized steel per ASTM A653	
Drive:	1 slew drive per tracker 20 drives per MW (typical)	
Motor:	1 24-volt dc brushed motor per tracker 20 motors per MW (typical)	
Control system:	1 tracker control unit mounted to each tracker with internal inclinometer DC with 30- or 60-watt module and onboard battery AC up to 264 vac input 1 network controller per 150 trackers (wireless) 1 or more meteorological stations per site 1 remote access unit per site - datalogger and modem - if needed	
Communication:	Network controller to tracker controllers: MODBUS over Zigbee wireless Network controller to SCADA: MODBUS TCP/IP over ethernet Cloud app available for remote monitoring and predictive maintenance	
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	
Wind stow:	Yes	
Snow stow:	Yes	
Snow sensor:	Optional	
Bearings:	Self-lubricating acetal wear surfaces Adjustable in multiple dimensions to take up post misalignment Delivered fully assembled from the factory	
North-South slope:	Up to 15%	
Installation:	No welding or cutting in the field	
Compliance:	UL3703, ASCE7-10	
Warranty:	Structural Control system Drive Motor Dampers	10 years 5 years standard, 10 years optional 5 years 5 years 4 years

4550 W. Watkins St., Suite 100
Phoenix, AZ 85043

Tel: 602-352-2700 • Fax: 602-352-2701
info@omcosolar.com

OMCO SOLAR®

www.omcosolar.com

© 2022 OMCO Solar
™OMCO Origin is a trademark of OMCO Solar.
®The OMCO Solar logo is a registered trademark of OMCO Solar.

