



GEOPRO®

Trusted in connection with more than 1 GW of installations, GeoPro fixed tilt solution meets a wide-range of challenges associated with ground mount projects, including irregular site boundaries, steep or uneven terrain, last-minute module changes, pile driving refusals and snow loads of up to 70 psf.

LOWEST COST, FASTEST DELIVERY

Through universal parts and a module-independent design, GeoPro can be offered at the lowest price point and with the shortest lead times for utility-scale and commercial projects of 100 kW and above.

SUPERIOR SYSTEM FLEXIBILITY

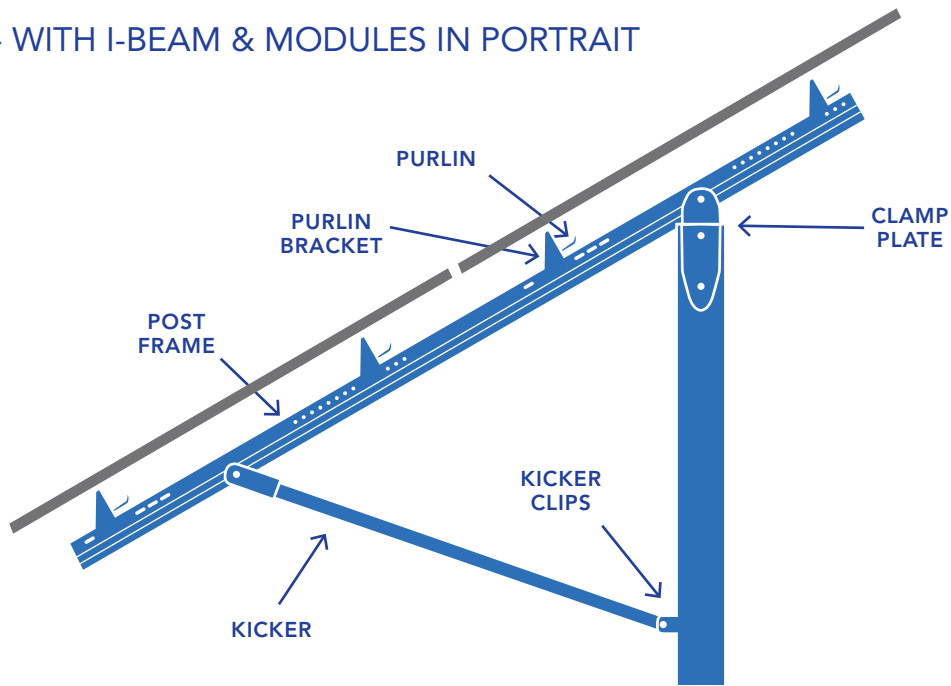
GeoPro can be adapted to any site and optimized for a project's unique wind, snow and geotech conditions. It offers maximum foundation flexibility for soils of all types, including I-beam, round post, screw pile, helical pile, ballast or a hybrid. The system also boasts an industry-leading 20 percent east-west terrain following capability on both constant slope or rolling terrain, while allowing piles to be installed plumb.

In addition, GeoPro is module independent – able to accommodate last minute module choice changes without requiring any changes to project design. Customers can choose landscape or portrait module orientation depending on their project priorities.

Small table sizes arrays can be sized incrementally to maximize a site's installed solar.

Both wire management and grounding are integrated into the racking, simplifying total balance of system complexity and significantly lowering both labor and material costs.

GEOPRO - WITH I-BEAM & MODULES IN PORTRAIT



TECHNICAL SPECIFICATIONS		
	MODULES IN PORTRAIT	MODULES IN LANDSCAPE
Tilt Angles	10°, 15°, 20°, 25°, 30°	15°, 20°, 25°, 30°
Grade of Terrain	20% grade changes can be accommodated with standard components. For greater grade changes, our designers will work with your team to reduce unnecessary pre-installation civil work.	8% grade changes can be accommodated with standard components. For greater grade changes, our designers will work with your team to reduce unnecessary pre-installation civil work.
Materials	Galvanized steel components; stainless steel and galvanized steel fasteners	
Grounding	Fully integrated grounding. ETL listing to UL 2703. Tables may be bonded together using UL 467 listed Table Splices to form a continuous GeoPro rack.	
Module Compatibility	All major framed brands. Standard purlin hole spacing is designed to accept a module mounting width range from 922-966mm /36.28"-38.09". For modules outside of this range, a custom hole pattern is required.	All major framed or frameless brands.
Foundation Flexibility	W section, screw pile, helical or ballast	W section, screw pile or ballast
In-field Flexibility	+/- .5" vertical, +/- 1" east-west, +/-1" north-south, 2° rotation about post vertical axis, 1° out of plumb Additional vertical flexibility can be achieved via installation tolerances on post embedment depth.	+/- 1" vertical, +/-1" east-west, +/- .5" north-south, +/-2° rotation about post vertical axis, 2° rotation about post vertical axis, 1° out of plumb
Installation Rates	A four-person crew working a 7.5 hour day can install more than 255 modules/day.	
Testing	GeoPro's design is based on extensive testing and validation including boundary layer wind tunnel and mechanical tests.	
Warranty	20 years	
For Layout or Quote, Please contact your HB Solar Rep.		



solar canada inc.

Phone 905 760 9993
 Fax 905 760 9919
 Email info@hbsolar.ca
 Web www.hbsolar.ca

hb Solar Canada Inc.
 399 Four Valley Drive, Unit 23
 Concord, Ontario
 Canada L4K 5Y7