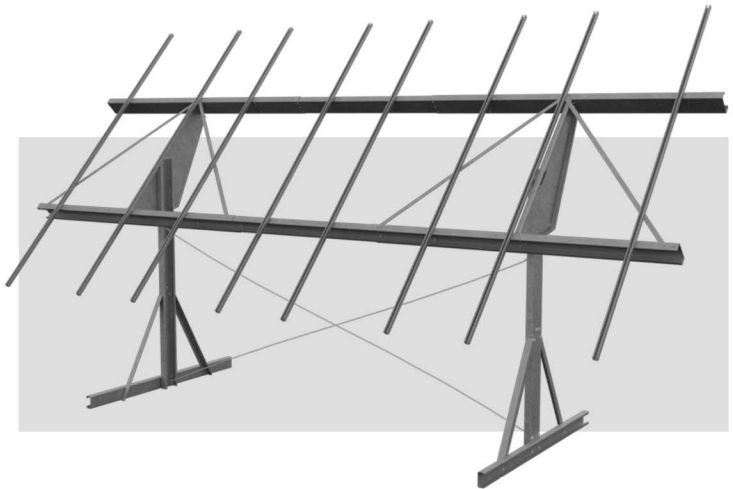


SunRanger™ Model ST-300



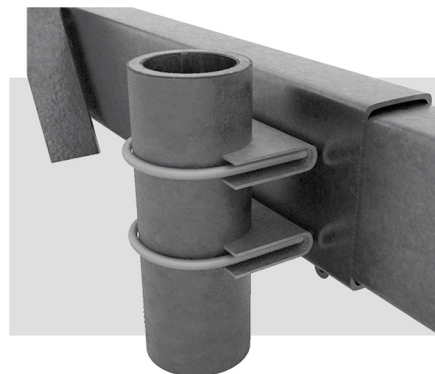
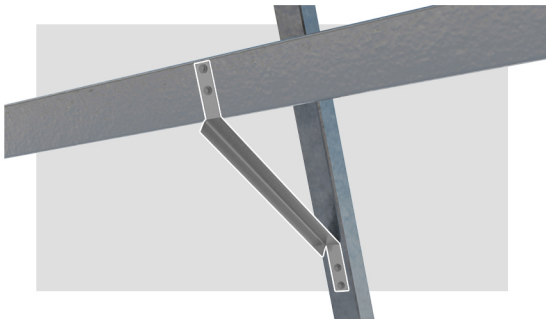
Innovative Seasonally-Adjustable Steel Ground Mount Racking System

- Manufactured from high quality pre-galvanized steel
- Seasonally-adjustable tilt angle
- Mount to screw piles, concrete piles, or concrete ballast
- Ideal for rural or farm locations



The SunRanger™ Model ST-300 was developed for small and medium sized solar projects to maximize electricity production without complex tracking systems. The SunRanger will produce 6–8% more electricity than a comparable fixed tilt system.

The heart of the SunRanger™ system, the pivot plate, was designed and rigorously tested to withstand the wind and snow loads prevalent in Canada + USA.



Foundation Options	3 ½" piles (standard), concrete ballast
Tilt Angles	Summer – 20°, Winter – 70°
Purlin and Mounting Structure	Galvanized Steel, ASTM A653 CS Type B, G90
Module Orientation	Landscape
Standard Module Arrangement	16 – 72 cell modules (4W x 4H) or 20 – 60 cell modules (5W x 4H)
Design Standards	National Building Code compliant
Specified Wind Load (70° tilt)	Wind velocity: 0.50 kPa (+ 110KM/hr) (+ 70mph) High wind option 1.2 kPa (+ 160 KM/hr) (+ 100mph)
Specified Snow Load (20° tilt)	2.2 kPa (snow depth of approx. 0.9 meters) (3 feet)
Warranty	10 year limited manufacturer warranty, standard
Country of Manufacture	Canada

Azgard Solar Inc

Unit 2, 34 Wrangler Place SE
Calgary, AB
T1X 0L7

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SIZE	SHEET
B	1 OF 1

TITLE

DWG. NO.	REV
	0

UNLESS OTHERWISE SPECIFIED:

1. REMOVE BURRS AND SHARP EDGES. DIMENSIONS ARE IN INCHES
2. CORNER RADIUS = 0.031" x 45°
3. TOLERANCES: LINEAR: ±1/32
ANGULAR: ±0.5°
4. CONCENTRICITY = 0.002" TIR 45°
5. SURFACE FINISH: 63 μin-RMS
6. MATERIAL: 6063-T5 ALUMINUM
7. FINISH: ANODIZED
8. METRIC EQUIVALENTS: X.XXX ±0.015
PER: ASME Y14.5

SCALE: 1:48

DO NOT SCALE OFF OF DRAWING



MATERIAL

FINISH

SPECIFICATION

APPROVALS

DRAWN BY	Rick Delamont - 26 Nov 17
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CHECKED BY	RJ Reesor - 19-Dec-17
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ENGINEERING APPROVAL	PRT VER
	11
	DRW VER
	15

NOTES

