



PRG

GRID BASED BALLASTED FLAT ROOF SYSTEM

The Polar Racking Grid Based Ballasted Solution is the most economical, robust and easy to install solution for flat roofs. PRG accommodates green zone clamping for both 60 and 72 cell modules with integrated bonding. Its superior grid architecture makes it the lightest ballasted solution in the industry.

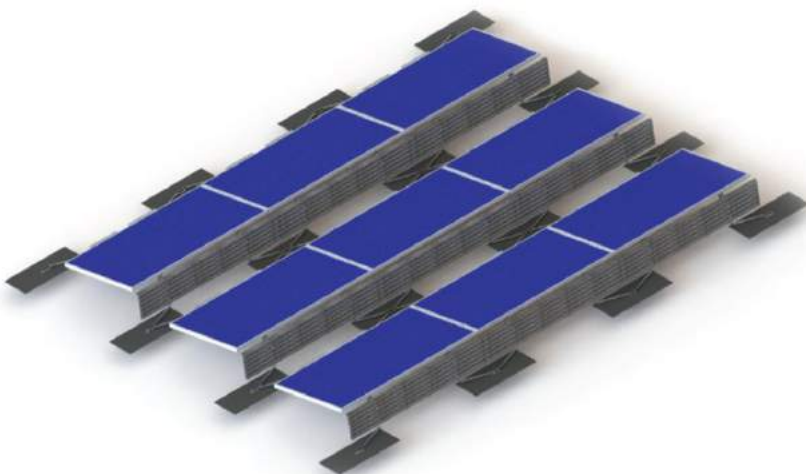
KEY PRODUCT BENEFITS

- Average load less than 3 - 4 PSF
- Faster installation
 - Slide-On Clamps
 - Self-aligning
 - Minimal parts and fastener
- Flexible East West & North South wire management features
- Optional accessory mount for easy installation of optimizers or micro inverters
- Single panel modular design allows for flexibility around roof obstructions maximizing available space
- Class A Fire Rating - UL 2703 test standards for use with type 1 & 2 modules
- 10 year warranty backed by 3rd party insurance company
- Innovative Patented Design



KEY TECHNICAL FEATURES

- High quality Galvanized steel components
- Extreme weight distribution
- Integrated bonding
- Available tilt and row spacing 5°, 10° & 15°
- Suitable for all types of flat roofs
- Supports all standard 60 and 72 cell modules in Green Zone
- Project Management via Proworkflow
- Full Technical Support
- Optional Anchor/Hybrid Solution available



TECHNICAL DATA

System Type	Flat Roof Mount, Grid Based Ballasted			
Materials	G90 galvanized steel (Fabricated Components)			
	Magni 565 finish Steel (Hardware components)			
Roof Types	BUR, Modified Bitumen, TPO & EPDM			
PV Modules	Module length Compatibility, 1559-1580mm, 1639-1660mm, 1954-1972mm, 1982-2036mm & 2050-2067mm			
	Module width Compatibility, 982-1049mm			
	Module height Compatibility, 26-50mm			
Racking Dimensions	Tilt Angle	Row-Row Distance	Module-Module Distance	
			Module width, 982mm	Module width, 1049mm
	5° TIGHTER	1250mm [49"]	271mm [10½"]	205mm [8"]
	5° STANDARD	1329mm [52"]	350mm [13¾"]	284mm [11"]
	10° TIGHTER	1435mm [56½"]	468mm [18¼"]	402mm [15¾"]
	10° STANDARD	1521mm [60"]	554mm [21¾"]	488mm [19"]
15° STANDARD	1752mm [67"]	784mm [30¾"]	739mm [29"]	
Design	Compliant ASCE/SEI 7-10, IBC 2012, NBC, OBC 2012			
Test	Wind engineering by RWDI; CoF by Exova			
Certification	ETL certified, conforms to UL 2703 & ULC ORD 1703 (mechanical, electrical)			
	Class A Fire Rating to UL 2703			
Grounding	One Grounding Point per Sub-Array			
Average System Dead Load	< 2 psf			
Tools	8mm and 13mm Sockets			
Warranty	10 Years third party warranty backed by Royal and Sun Alliance			



This document does not create any express warranty by Polar Racking or about its products or services. Polar Racking's sole warranty is contained in the written product manual for each product. The end-user documentation shipped with Polar Racking's products constitutes the sole specifications referred to in the product warranty. The customer is solely responsible for verifying the suitability of Polar Racking's product for each use. Subject to change without notice. Last update, March 2020.

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