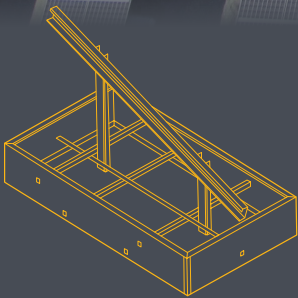


FLEXRACK SERIES B

**SOLAR
FLEXRACK™**
A Division of Northern States Metals

*3MW Ballasted Project
New Jersey Meadowland's Kearny Landfill*



*FlexRack Series B
- Cast in Place*

+ TURN-KEY SERVICES

We're here for you because we care about your projects. From engineering to installation, you can leverage our expert turn-key services on any job from start to finish.

Contact us to see how our team of project engineers, field techs, geologists and other specialists can help make sure your next project is a success.

Experience the Flex

CALL US TO FIND OUT HOW THIS GROUNDBREAKING
RACK CAN IMPROVE HOW YOU DO SOLAR

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Pre-Cast

The FlexRack Series B pre-cast system makes use of a two-support system, rather than the one-support system of its contemporaries; transferring loads into the block through two supports instead of one reduces ballast block thickness. The two-support system also enables the use of a split block system, which requires lighter lifting machinery to accommodate sites with low bearing pressure requirements.

Cast in Place

- » Economical shipping - one piece pre-assembled form
- » Posts are set plumb prior to pouring concrete for ease of installation
- » Ability to level posts after form is set for tolerances in installation
- » Form is a customized roll form shape to optimize size and reduce wasted material
- » Requires only four screws for form assembly. Form assembly in under 3 minutes with 2 people
- » Customizable block size allows form to always be filled to the top
- » Internal bracing eliminates need for construction shoring or additional bracing requirements
- » Utilizes same two support system benefits as pre-cast solution

Reduced costs

Our system uses steel and concrete more efficiently, reducing the overall cost of the unit and allowing for a lower array profile. It's also custom engineered to make installation a breeze—no matter the conditions, the Series B can be installed quickly and efficiently, saving you money on labor costs.

Complete compatibility

The FlexRack Series B offers compatibility with all of our ground systems, including the G2 and G3. That means that all the innovative labor savings features and flexibility are still realized with the Series B. The Series B is offered as a pre-cast system or cast in place to meet project specific requirements.

MATERIALS	
Module Hardware	Magni 560 coating standard. Stainless available upon request
Racking Hardware	Hot Dip Galvanized coating is standard
Racking Structure	G90 galvanized steel standard. Higher coatings available for high corrosion areas
DESIGN	
Orientation	Portrait or Landscape
Tilt Angle	5° - 45° (custom tilts can be accommodated)
Racking Slope Tolerance	20% E/W
Local Ballast Slope	5% N/S, E/W
Wind Speed	Any
Snow Load	Any
Module Accommodation	Any 60 or 72 cell framed module along with any frameless module
Module Mounting Type	Direct bolt directly to horizontal rails (bonded connection)
Foundation Accommodation	Pre-cast or Cast in Place
Warranty	20 years
Design Life	30 year service life on all galvanized components
CERTIFICATIONS AND TESTING	
UL Certification	UL 2703 (Issue 2) compliant
Wind Tunnel Testing	CPP third party testing laboratory
Structural Connection Testing	Element Materials Technology
Code Compliance	Racks are designed using site specific loads (wind, snow, and seismic) per the governing local building codes
Finite Element Modeling	Risa 3D
Engineering	PE stamped drawings and calculations
SERVICES	
Geotechnical Engineering	Field investigation and engineering, laboratory testing, engineering analysis, push/pull tests, ballast design
Structural/Civil Engineering	Preliminary investigation, engineering
Installation	Foundation, racking, module, and module prewiring
Training	Onsite installation training at no additional cost