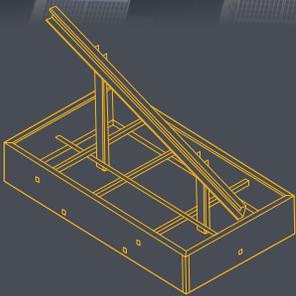


# FLEXRACK SERIES B

**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

**1.888.380.8138 | SOLARFLEXRACK.COM**

## 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.

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

Solar FlexRack, a division of Northern States Metals, is an integrated solar company that offers custom-designed, fixed tilt ground mount and single-axis solar tracking systems in the commercial, community solar and utility-scale solar mounting industries. Solar FlexRack offers full turnkey packages including engineering, geotechnical, pullout testing, field, layout, and installation services to address the actual site conditions of an installation and provide a full scope of services from design to delivery and installation. Solar FlexRack has completed over 2 GW of solar racking installations in 40 states across America and five countries globally. Learn more at <http://solarflexrack.com>