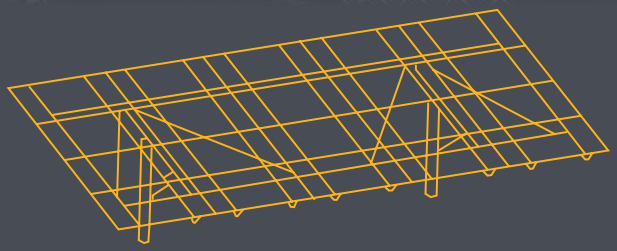
FLEXRACK SERIES G3L

SOLAR FLEXRACK
A Division of Northern States Metals

3,360 FlexRack Series G3L racks
38 MW Cedarvale Project Ontario, Canada



+ 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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Pick your preference

Solar Developers and EPCs demand choices and continued innovation to maintain their leadership position. The Pre-assembled G3L Ground Rack provides substantial labor savings in the field on projects with high labor rates or challenging site conditions by arriving on the jobsite as an assembled system. In addition to the pre-assembled G3L, Solar FlexRack also offers a field assembled G3-X system enabling Solar FlexRack to stand alone as the only racking company able to provide you with these options.

Reduced labor

The G3L is our most efficient landscape racking system. The vertical and horizontal rails of the SFR G3L ship to the site as one, completely pre-assembled unit and is unfolded and set up in a matter of minutes, substantially reducing labor costs and minimizing loose components and hardware. The G3L is installed at less than one cent per watt.

Intelligent design

The FlexRack Series G3L is a custom engineered, all-steel racking solution designed to accommodate any environmental loading conditions with bracing and built-in tolerances for durability and adjustability. Handling multiple landscape array configurations, the FlexRack Series G3L is compatible with any string size, and offers an integrated wire management system. Additionally, module mounting to the vertical rails significantly increases snow shedding. Coupled with a 20-year warranty, the FlexRack Series G3L is the first choice for challenging project sites.

Seamless flexibility

The G3L product is a perfect fit for projects with increased labor rates or challenging site conditions. The pre-assembly of the system limits additional loose components in the field and material handling that can lead to lost parts on site or improper installation.

Bankability

Solar FlexRack is a product of Northern States Metals, a full service manufacturer with over 40 years of experience. With over 1GW of installed capacity Solar FlexRack has the experience and sustainability to be a reliable partner for your next successful solar project. The G3L series also comes standard with a 20-year warranty.

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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
Foundations	Hot Dip Galvanized
DESIGN	
Orientation	Landscape
Tilt Angle	5° - 45° (custom tilts can be accommodated)
Racking Slope Tolerance	20% E/W, N/S slope accommodations governed by post installation capabilities and do not adversely affect racking design
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 vertical rails (bonded connection)
Foundation Accommodation	W-Section, SmartPost, Round Post, Earth Screw, Helical Pier, Ballast (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, foundation design
Structural/Civil Engineering	Preliminary investigation, engineering
Installation	Foundation, racking, module, and module prewiring
Training	Onsite installation training at no additional cost