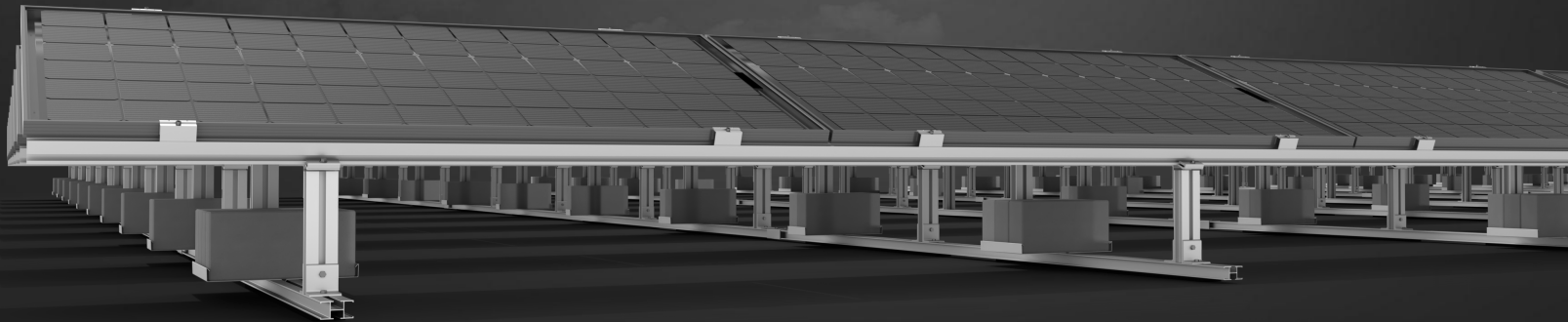


SUNRAIL™ PERFORMANCE BIFACIAL



FOR FLAT ROOFS



BENEFITS

- ✓ MORE PROFITABLE :: Highest energy yield (up to 25% more energy from bifacial optimization)
- ✓ LOWER PROJECT COST :: 25% faster to install than standard racking systems
- ✓ LOWER INSURANCE COST :: Most rugged racking & engineering standards, no incident, NO INSURANCE CLAIMS
- ✓ ENABLES MORE PROJECTS :: Ultra light weight & flexible configurations to match roof capacity and joist & deck limitations



FEATURES

- All aluminum extrusions and stainless steel bolts, light and robust
 - Warranty to last 20+ years
 - 25% faster to install than standard racking
 - 10% to 25% extra energy from bifacial
 - No insurance claims, no incident
 - Safest racking for the roof membrane
 - ↳ Rubber pads protection
 - ↳ No direct point load, all loads distributed on large surface
 - O&M :: minimal maintenance needed
- Elevated and open back racking
 - ↳ Keeps PVs, membrane & building cooler
 - ↳ Saves on building cooling cost
 - ↳ Easier roof inspection and maintenance
 - Enables more projects:
 - ↳ Lightest racking (2/3 psf) to match weak roof structures
 - ↳ Flexible racking configuration to match roof joist exact position
 - ↳ Best in class engineering services to solve any project complexity



INVERTER RACKING
OPTIONS

HIGH PROFILE RACKING

- FULLY ANCHORED
- FULLY BALLASTED
- HYBRIDE

BIFACIAL OPTIMIZED
BALLASTED SOLUTION

MICRO INVERTER AND
WIRE MANAGEMENT

SUNRAIL™ PERFORMANCE

FOR FLAT ROOFS

KEY SPECIFICATIONS

Material

Aluminum rails and components, stainless steel bolts & nuts

Max Snow Loads

Can be designed for any snow loads (up to over 100 PSF)

Max Wind Loads

Can be designed for any wind loads (up to 180 MPH)

Tilt Angle

10 to 30 (5 deg. increments)

Module Orientation

Landscape or portrait

Module

Any framed PV, any frameless PV

Ballasted

Up to 100% ballasted

Anchored

Up to 100% anchored

Hybrid (ballasted & Anchored)

Hybrid ballasted and anchored system possible

Dead Loads on Roof (Ballasted)

5-10 PSF

Dead Loads on Roof (Anchored)

2-3 PSF

PV Panel Height from Roof

Customizable, 16 to 24 inches

Interrow Distance

Customizable, standard at 20 deg shading angle

Grounding

Self-bonding PV clamps, UL 2703 listed

Roof Type Compatibility

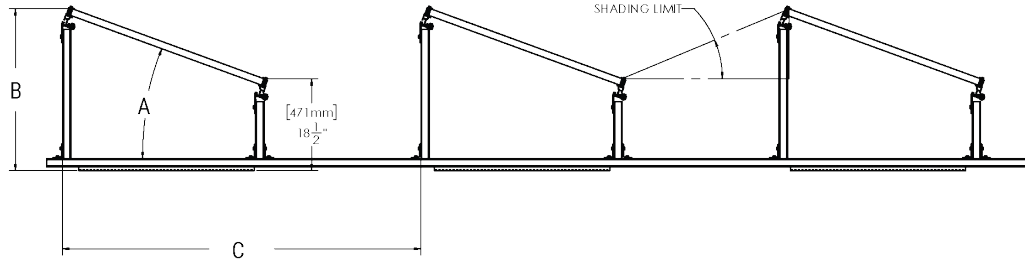
Any flat roof (built-up roof, TPO, EPDM membranes, asphalt, metal, standing seams). Up to 7° slope.

Typical Bifacial Gains

10-25% (N-Type, on white membrane. Must be optimized per project, not a guarantee.)

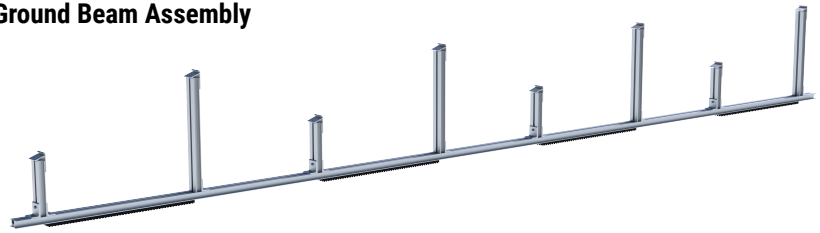
STANDARD LANDSCAPE RACKING CONFIGURATION

| TILT ANGLE (A) | HEIGHT (B) | PITCH (C) |
|----------------|------------|-----------|
| 10D | 25 | 54" / 58" |
| 15D | 29 | 66" |
| 20D | 32 | 72" |
| 30D | 39 | 84" |



SYSTEM COMPONENTS

Ground Beam Assembly

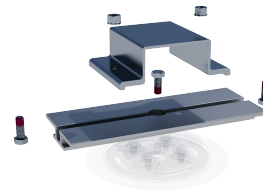


Ground Beam Linker



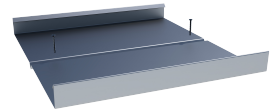
SR3-RL1

Anchor Adaptor



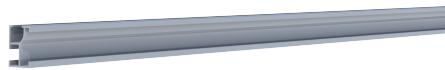
G-TH3

Ballast Pool



SR-BP2

CrossRail



SunRail Light 2-SRL2

CrossRail Linker



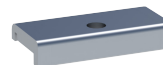
SRL-RL2

PV Clamp



SR-ZBC-FN

CrossRail Attachment



SC-SC2

3/8" Serrated Flange Bolt

