

SUNRAIL™ PERFORMANCE

FOR FLAT ROOFS



KEY BENEFITS

- ✓ **MORE ENERGY** — Up to 15% more yield from bifacial optimization, for a lower LCOE
- ✓ **LOWER INSTALLED COST** — 30% faster to install than standard racking, fewer labor hours per kW
- ✓ **MORE ROOFS QUALIFY** — Ultra light weight & flexible configurations to match roof capacity, joist & deck limitations
- ✓ **SIMPLER O&M** — Elevated configuration, no wind deflectors, and re-roofing without dismantling the array



FEATURES

STRUCTURE AND MATERIALS

- All-aluminum extrusions
- Unique 5/16" stainless steel bolts, one tool installation
- 2 to 3 psf, for roofs with limited structural capacity
- Loads distributed along the base rail
- Rubber pads at every membrane contact point

CERTIFICATIONS

- Listed to UL 2703 and CSA TIL NO. A-40
- Listed to UL 3741

SYSTEM ARCHITECTURE

- Elevated, open-back design
- No wind deflectors
- Elevated design sheds snow. +38.6% winter DC production
- Reroofing with no system dismantling required
- Full access for roof inspection and maintenance
- Runs cooler: modules, membrane and building

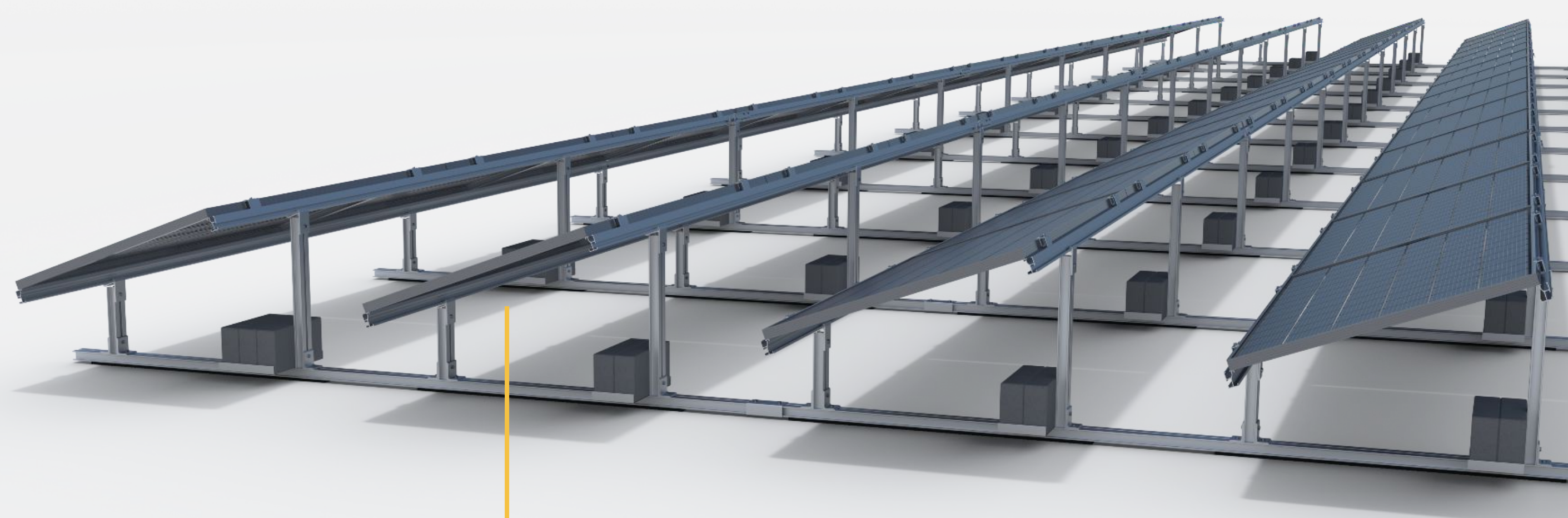
CONFIGURATION

- Base rail layout set to actual joist positions
- Engineering support for non-standard roof geometry



INVERTER RACK
OPTION

ELEVATED RACKING
• FULLY ANCHORED
• FULLY BALLASTED
• HYBRID



BIFACIAL OPTIMIZED
SOLUTION

MICRO INVERTER &
EASY WIRE MANAGEMENT



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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

5D to 30D (5 deg. increments)

Module Orientation

Landscape

Module

Any framed PV, any frameless PV

Ballasted, anchored, or hybrid

Depending on the project requirement

Dead Loads on Roof (Ballasted)

5-10 PSF

Dead Loads on Roof (Anchored)

2-3 PSF

PV Panel Height from Roof

Customizable

Interrow Distance

Customizable

Grounding

Self-bonding PV clamps, UL 2703 listed

Roof Type Compatibility

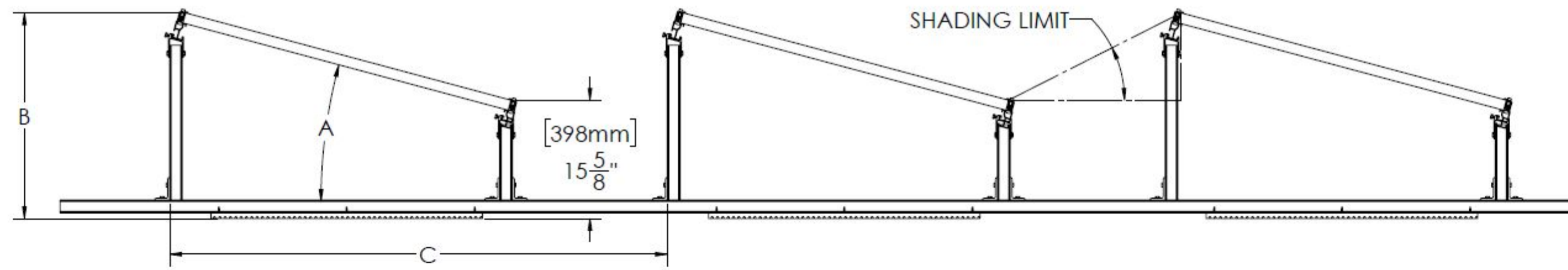
Built-up roof, TPO, EPDM membranes, asphalt,
metal, standing seams. Up to 7° slope.

Typical Bifacial Gains

10-25%, depending on several factors product
config

STANDARD LANDSCAPE RACKING CONFIGURATION

TILT ANGLE (A)	HEIGHT (B)	PITCH (C)
5D	22"	54"
10D	25"	54" / 58"
15D	29"	66"
20D	32"	72"
30D	39"	84"

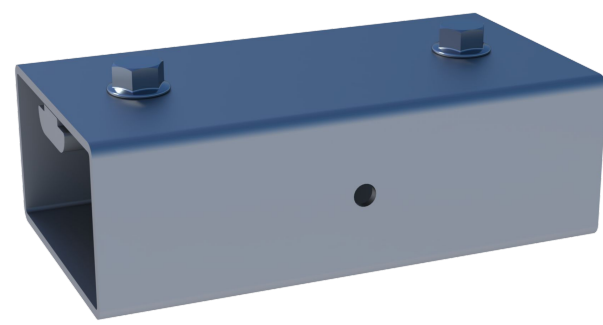


SYSTEM COMPONENTS

Factory Assembled Base Rail

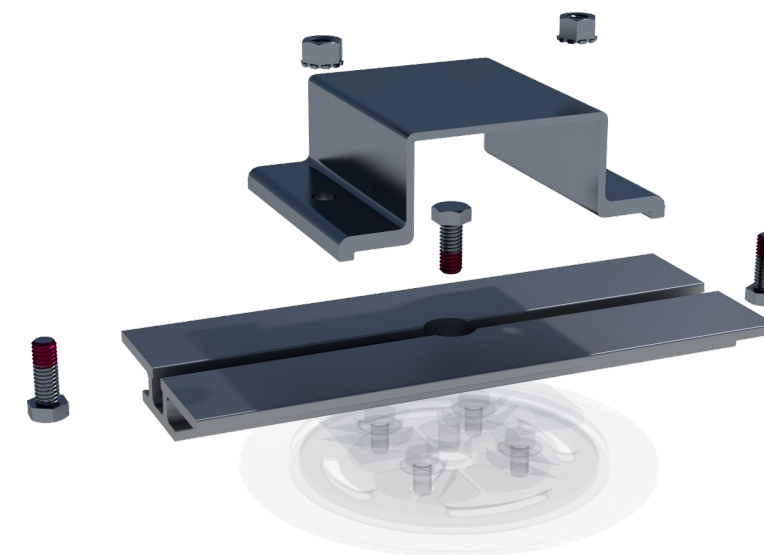


Ground Beam Linker



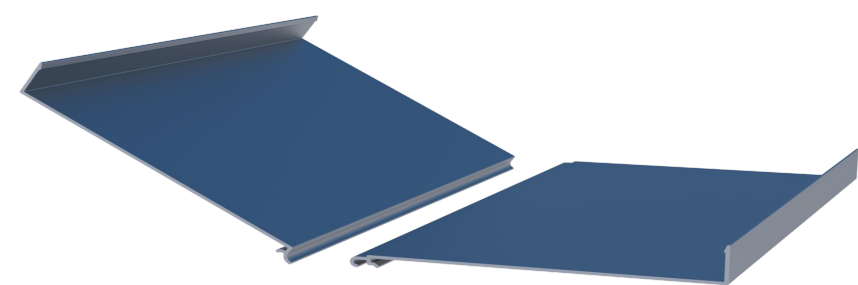
SR3-RL1

Anchor Adaptor



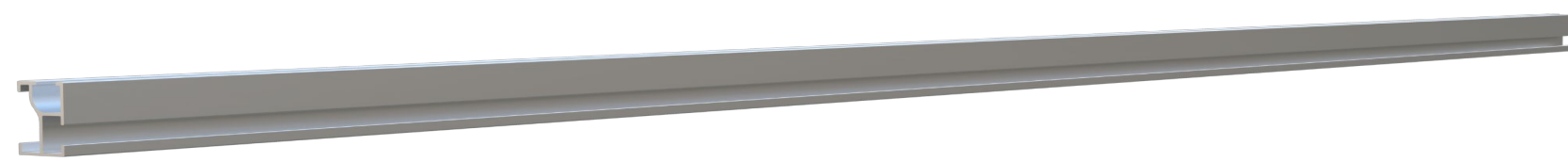
G-AA-TH3

Ballast Tray



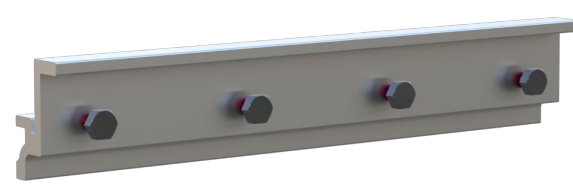
SR-BT02

CrossRail



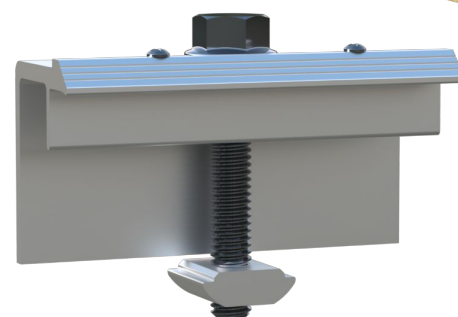
SunRail Light 2-SRL2

CrossRail Linker



SRL-RL2

End Clamp



FEC

