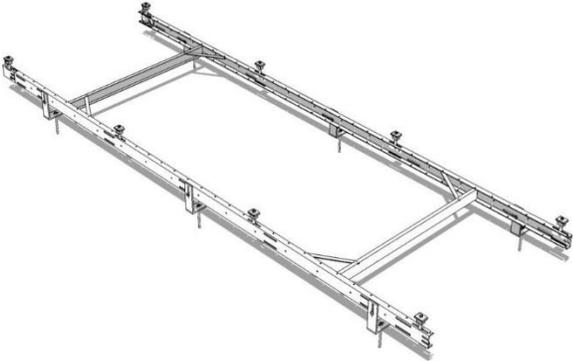




SR-3000
3 PANEL RAQ



SPATIAL DIMENSIONS

Fits rafter spacing	12", 16", 24", 48", 72", 96"
Fits panel widths	982mm - 1000mm
Fits panel thickness	31mm-44mm
Fits common panel cell count of	60 cell
Fits common panel cell count of	72 cell

PLACEMENT

Vertical wall mounting	YES
Panel position	Portrait
Stagger anchor feet option	YES
Cantilever mounting option	YES

MATERIAL

Steel type	A36
Aluminum type	T6

FINISHES

Powder coat	Black-standard
Z.A.M.	Upgrade

SPECIAL ORDER ODD PANEL SIZES

Option B panel width range	44-49mm
Option C panel width range	50-54mm

SNOW LOADING

72" spacing of anchors	60 lbs.
48" spacing of anchors	90 lbs.
24" spacing of anchors	120 lbs.

WIND ZONE

72" spacing of anchors	90 mph
48" spacing of anchors	120 mph
24" spacing of anchors	160 mph



SR-3000

3 PANEL RAQ

BI-FOLD SR-3000 DIMENSIONS

BI-FOLD SR-3000 BOX DIMENSIONS

Length	121.75"	3092.45 mm
Width	44.5 "	1130.3 mm
Height	8"	203.2 mm
Weight	44 lbs.	19 kg

Length	124"	3149.6 mm
Width	9"	228.60 mm
Height	8.5"	215.9 mm
Weight	44 lbs.	19 kg

BI-FOLD SR-3000 PALLET DIMENSIONS

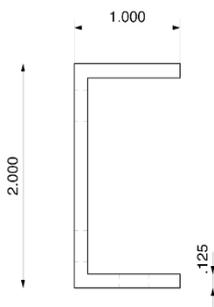
Optional Shipping WITH DETACHED ANCHORS

Length	124"	3149.6mm
Width	44.5"	1130.3mm
Weight	2,220 lbs.	1006 kg
Height	24"	609.6mm

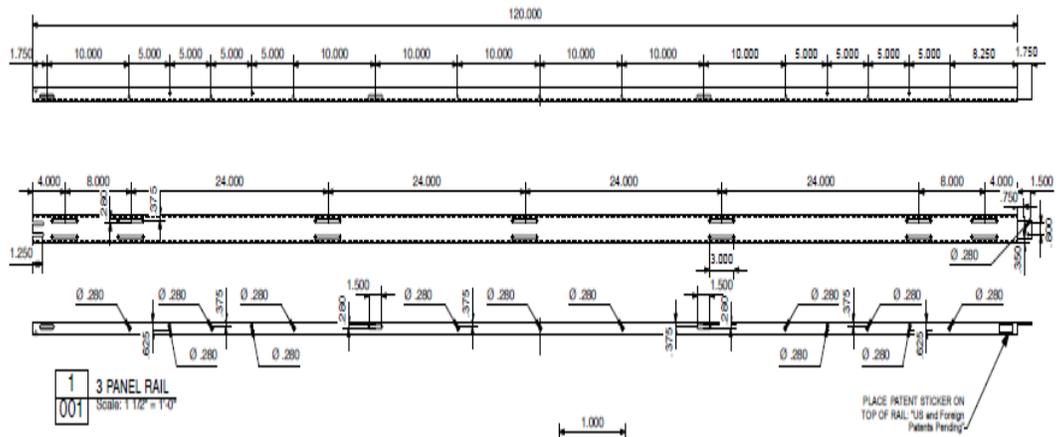
Length	124"	3149.6 mm
Width	8"	203.2 mm
Weight	36 lbs.	16 kg
Height	3"	76.2 mm

CERTIFICATIONS

UL MECHANICAL	US & CA 2703	E353639
UL ELECTRICAL	US & CA 2703	E353639
UL FIRE TYPE I	US & CA 2703	E353639
UL FIRE TYPE 2	US & CA 2703	E353639



RAIL SECTION





SR-3000

3 PANEL RAQ

A US and CA patented mounting system that unfolds from a compact shipping state.

UL rated 2703 for structural, electrical grounding and mechanical.

SR-3000 3 solar panel RAQ is intended for portrait position but has vertical options. This unit is self-aligning, self-squaring, self-leveling and designed to be quick connect; vastly reducing installation time and frustration by a proven factor of 76% (NREL).

This unit comes with pre-positioned anchoring and mounting hardware which works universally to most 60 or 72 cell solar panels. This unit can be used as a stand-alone or connected together (up to 6 units per row, 18 panels).

3 Panel RAQ units are designed for rafter spacing of 12", 16", 24", 48", 72" even 96" without any infield modifications.

The 3 Panel RAQ is rated for 190mph winds and 120lbs snow loads with roof anchors at 24".

*Other rafter spacing, wind zone and snow loads are available.

Mechanical Characteristics

Lag bolts provided 5/16 x 4.5 18-8, Stainless Steel 100---125,000 psi nominal

Structural Joints

All joining connections points are UL rated for structural, mechanical and electrical; allowing anchor location adjustments in the field.

Integrated Grounding

All connection points are UL rated for grounding. Only one grounding point on the stand- alone unit or on a single row is needed. Grounding lugs are available for purchase in the Start Bracket Kit. The grounding lug provided in the start bracket kit will also enable you to ground to any additional rows, using a 10-gauge copper wire; which will ground the entire unit. When using an inverter that requires grounding please follow manufactures suggestions. A stainless steel "Type 23" self-tapping bolt is provided for each inverter connection point, to mount inverter.

Adjustable Anchor Points

Each anchor of the racking is adjustable in height 1.5" to its connection to the rail to allow for variances in levels of the roof. This allows the installation of a flat array accounting for condition of roof surface

Adjustable Anchor Spacing:

While the anchors of the racking are preset at 24" rafter spacing, they can be adjusted to 12",16", 24", 48", 72" even 96" spans. Each connection point of anchor to rail allows a 3" tolerance for rafter misalignment. In the event of a misaligned rafter of greater than 3" the anchor can be removed and a hole can be drilled anywhere in the panel rail with the use of cold-rolled drill bit.

Adjustable Panel Clamp Locations

Mounting position for all the panel clamps, have a 3" range of adjustment for variable width of solar panels. See installation instructions for details.

Adjustable Panel Clamp Spacers

Each panel clamp is adjustable by rotating it 90 degrees, this spacing between panels to be adjusted to compensate for panel width changes.

Bifold Cross Brace

The Bi-Fold squaring arm requires an additional "Type 23" self- tapping bolt which is provided to secure the unit square.

Suggested 3rd party providers of:

S5 or common metal roof clamps Tile roof clamps

OMG Flat roof connections