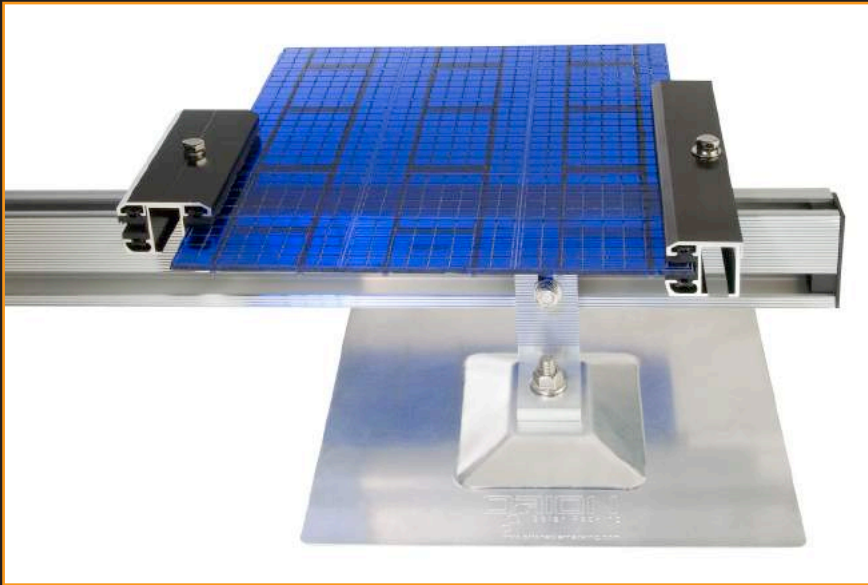


## Frameless Solutions

### Venus Flashing



### Frameless Mid Clamp



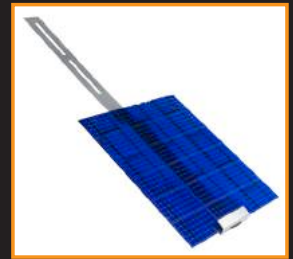
### Frameless End Clamp



### Sub-Flashing w/ Flat Tile Hook



### Safety Hook



## Rails and Clamps



### Orion Standard Rails

Made from 6005 Aluminum, Orion Standard Rails are the backbone of the system. Available finishes: mill, clear, and black. Available sizes: 144", 170", 208", 243"



### Integrated Grounding Splice Bar

Our Integrated Grounding Splice Bars connect two rails together and continues the grounding for an easier installation. UL 2703



### Frameless Mid & End Clamps

Clamps onto frameless modules as thin as 6mm. Available sizes: 120mm or 200mm. Available finish: black

## Roof Attachments



### Composition Shingle

Our Venus Flashing Kit provides a three-part waterproofing design that will mount your system. The kit is fast and easy to install and creates a sleek look for the solar system to roof connection. Available finishes: mill, clear, and black



### Standoffs

Available in 3" or 6", raise your modules to a higher standard with Orion's Standoffs.



### Metal Roof

Penetrate the rafter with our hanger bolts, or clamp the seams with our standing seam clamps.

## Tile Hooks

Available for flat or Spanish tiles, our hooks mount to rafters without the need to drill into tiles.



Flat Tile Hook, Horizontal



Flat Tile Hook, Vertical



Spanish Tile Hook, Horizontal



Spanish Tile Hook, Vertical



VersaTile Hook



Sub-Flashing

## Grounding and Accessories



### End Cap

End Caps offer a finished look to the rails. They also have an opening to allow water drainage during wet conditions.



### L Foot

Our L-Foot is the support component for the Orion Standard Rail. It is commonly used as part of the Venus Flashing Kit for composition shingle roofs. Available in mill, clear, and black finishes.



### Conduit Pipe Holder

Used to support conduit pipe for wire management. Available for conduit sizes: 1", 1-1/4", 1/2", and 3/4"



### Orion Skirt

Our Orion Skirt covers the gap between panel and roof for an aesthetically pleasing finish.



### Adjustable Legs

These legs can adjust your tilt to 10-60 degrees. Works easily with our system.



### Heavy Duty Rail Insert

Our Heavy Duty Rail Insert connects to Orion Standard Rails to provide structural reinforcement for spanning longer distances between supports. They also easily connect with self-tapping screws.



### Wire Management Clips

Available in black or clear finish, our wire management clips are a great solution for organizing wires.



### Safety Hook

For added security, our Safety Hooks prevent frameless modules from sliding.

Frameless Solutions for Ballasted & Non-Ballasted Systems



**Ballast Components**



**Ballast Pans**  
Ballast pans made from 5052 Aluminum; secure the ballast blocks to the system.



**Ballast Blocks**  
Locally sourced Blocks reduce cost and freight for ballasting.



**Roof Pads**  
Optional rubber pads placed under the belts to protect roof from damage.

**Structural Components**



**Brackets**  
Brackets made from 5052 Aluminum provide tilt and support of the modules.



**Connect Belts**  
Connect belts connect each bracket to each other and add rigidity to the system as a whole.



**Seismic Plates**  
Seismic Plates prevent lateral displacement from seismic activity.

**Clamps and Wiring**



**Frameless Clamps**  
Clamp onto frameless modules as thin as 6mm.



**Accessory Mounting Plate**  
For micro-inverters, optimizers, etc.



**Wire Management Raceway**  
Excellent cable management solutions for organizing wires in a discreet fashion.

**15 YEAR WARRANTY**  
**15 Year Warranty**  
Twice the protection offered by competitors

 **Pre-Assembled**  
Labor Saving

 **UL Listed**  
UL2703  
UL1703

 **Fire Rated Class A**  
Type 1, Type 2, & Type 3

 **Integral Grounding**  
Streamlines equipment grounding

 **ARA**  
Buy American Act Compliant

- LA County Approved
- LADBS Approved