

#### THE STANDARD IN PV MOUNTING STRUCTURES™

# You're taking an environmental stand . . . Make it an architectural statement





U.S. and other patents pending

## www.unirac.com





# **SUNFRAME**®

## Clean energy never looked this good

#### Low lines

SunFrame stands off the roof just enough for cooling air flow to optimize module performance.

#### **Clean lines**

All modules sit in low, gap-free rows. No rails protrude from the sides of the array.

#### **Finish options**

SunFrame components are anodized to match the color of the module frames.

#### Front yard friendly

A completed SunFrame installation blends handsomely into the roof, becoming as natural a part of a home or business as a skylight.

#### Façade SunFrame

Mount SunFrame vertically for a triple benefit: Cladding shades and cools your building, produces PV power, and looks great.



#### Manage modules hands-free

Slide unsecured modules along the rails to provide access and work space. They'll stay put during wiring.



## Enjoy installation-friendly features



#### Testing ensures code compliance

Destructive testing and analysis by an independent laboratory verify that all SunFrame components meet our rigorous design criteria.

#### Minimize drilling

Cap strip screw threads grip a threaded slot atop SunFrame rail extrusion, securing modules.

#### Place flashings easily

Precisely place a flashing over the secured base of a two-piece aluminum standoff prior to the installation of the standoff itself.

#### Manage the small stuff

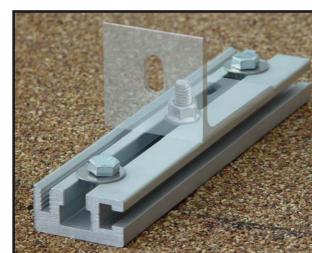
Secure wiring with cable ties. Smooth out roof irregularities with shims.

#### Streamline inspections

UniRac documentation provides the technical information to demonstrate SunFrame's structural integrity and to ease permitting. Follow our step-by-step procedures to satisfy your building inspector.

#### Take advantage of flexible options

L-Foot adjusting sliders ensure that rails align properly and snug firmly against modules with no aesthetic compromise. Utility slots provide an easy means to secure system components.

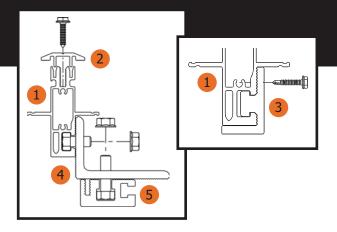






## System components

- 1. Rails. Modules are supported between SunFrame rails, not on top of them. The array is lower to the roof, enhancing its integrated appearance. A threaded slot atop the rail makes for quick and secure module mounting. Should it ever become necessary, replace modules easily.
- 2. Cap strips. SunFrame cap strips hold modules securely. Because the strips are pre-punched, you never have to drill.
- **3. Splices.** Hidden splices are used to create long rows of modules. If required, install them to allow thermal expansion. Consult SunFrame installation instructions for details.
- 4. L-feet. Serrated L-feet attach directly to asphalt shingle roofs or rest on adjusting sliders or standoffs.
- **5.** L-foot adjusting sliders. L-feet can be easily adjusted along fixed sliders to ensure that rails fit snuggly against the modules.
- 6. Standoffs and flashings. Two-piece standoffs speed installation on tile roofs. We offer six flashing choices for our aluminum or steel standoffs.
- 7. End caps. UV resistant black end caps neatly finish off the installation.



#### www.unirac.com

See our SunFrame page for additional information: pricing, an installation manual appropriate to your building code, additional on-site images, and a great new tool for determining and costing minimum component requirements for your unique job.

### Module compatibility

Use SunFrame with PV modules from these major manufacturers: BP Solar, Evergreen, GE Energy, Isofoton, Kaneka, Kyocera, Mitsubishi, Photowatt, Schott Solar, Sanyo, Sharp, SolarWorld (Shell), SunPower, SunWize, and Uni-Solar.

#### Component specs

Rails, cap strips, two-piece standoffs, splices, L-feet, and L-feet sliders: 6105-T5 aluminum extrusion.

End caps: UV resistant plastic.

One-piece standoffs: Condition 4 (very severe) zinc-plated welded steel.

Fasteners: 304 stainless steel.

#### Warranty

SunFrame is covered by a 10-year limited product warranty and 5-year limited finish warranty. For specific details, download the SunFrame Code Compliant Planning and Assembly manual fromwww.unirac.com.



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