

BENEFITS

Rapid Installation

30% faster installation means lower costs for dealers

Integrated Grounding

Ground conductors between panels are not required

Rails Eliminated

No need to transport, install, or align mounting rails

Direct to Sheathing Attachment

Offers flexibility to install the array virtually anywhere on the roof

High Wind Resistance

Withstands wind speeds up to 120 mph

Superior Aesthetics

Minimizes panel gaps and eliminates protruding rails

Proven and Reliable Design

Conforms to all standard roofing industry requirements. More than two years of successful installation in new home communities.



The SunPower[®] Smart Mount Residential Mounting System is specifically designed for use on composition shingle roofs. It offers the easiest, fastest, and most flexible method for mounting solar panels onto residential rooftops.

Lower System Cost

Smart Mount significantly reduces installation time and material costs. Mounting the solar array directly to the roof sheathing eliminates the need to locate rafters, drill pilot holes, and drive lag bolts. It also enables greater flexibility in array positioning because rafter points are not required.

Smart Mount feet connect directly to the panel frame, eliminating the need for rails. A patented, UL-listed grounding clip easily secures the panels to the mounting feet, removing the need for grounding conductors between panels.

Proven Reliability

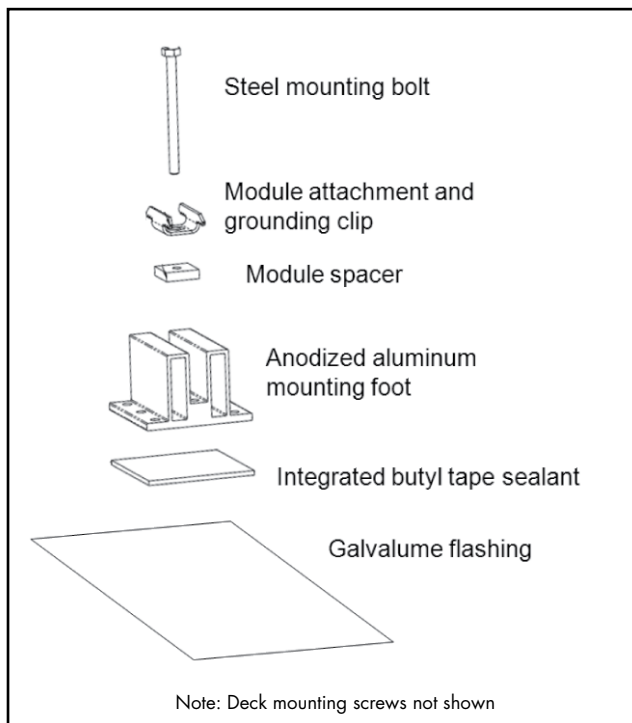
Designed to withstand wind speeds up to 120 mph, Smart Mount uses standard roofing materials with proven reliability. Each mounting foot is flashed and sealed to protect the roof surface and prevent leaks.

SunPower has successfully installed Smart Mount systems onto new home community rooftops since 2006. Installation crews cut installation time by up to 30% with Smart Mount. With minimal training, a three-person crew can fully install up to three Smart Mount systems in one day!

Complete System Solution

Smart Mount is included in the SunPower® SmartPack along with the panels, inverter, and monitoring components — with direct-to-site delivery. Smart Mount accessories include an aluminum layout tool and height-adjustable shims for mounting on nearly all types of composition shingle roofs.

Smart Mount Components



SunPower® Smart Mount technology is patent protected.

Reliable and Robust Design



Reliability Tests Passed (partial list)

- Dade County hurricane resistance test with wind-driven rain at 120 mph and 8.8 inches per hour (no leaks or roof damage)
- Building envelope flood test of mounting foot attachment point (no leaks or roof damage)
- Accelerated life cycle testing of butyl seal between flashing and mounting foot, followed by submersion test (no leaks or roof damage)
- System ground path integrity testing on UL-approved integrated grounding clip
- Deck mounting screw pullout strength testing
- The structural calculation set for entire load path is stamped by a Professional Engineer

About SunPower

SunPower designs, manufactures, and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50 percent more power than conventional solar cells. Our high-performance solar panels, roof tiles, and trackers deliver significantly more energy than competing systems.