



Product Catalog

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On behalf of our organization, thank you for considering SunModo for your racking needs.

At SunModo, we are dedicated to supporting professional installers with robust and worry-free products, great technical support, and a complete line of innovative racking and mounting solutions.

We look forward to working with you!

-The SunModo Team

SMR PITCHED ROOF SYSTEM

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Disclaimer

Due to continuous product optimization, we reserve the right to change our product information and this product catalog at any time. All previous product catalog information becomes invalid upon the release of later publications.

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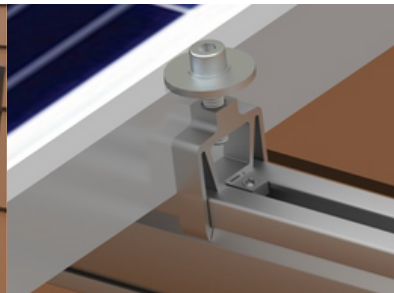


SMR Pitched Roof System

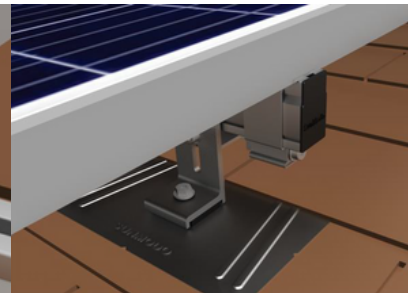
SunModo introduces the SMR System, the best value-pitched roof mounting system on the market. The SMR System represents a huge leap in racking technology. The optimized design makes the SMR Rails not only the lightest but also the strongest rails on the market. With fast and easy Pop-On Clamps and L-Foot Adaptors, professional installers can mount, adjust, and secure PV panels with a single tool. Save money on materials and installation time.



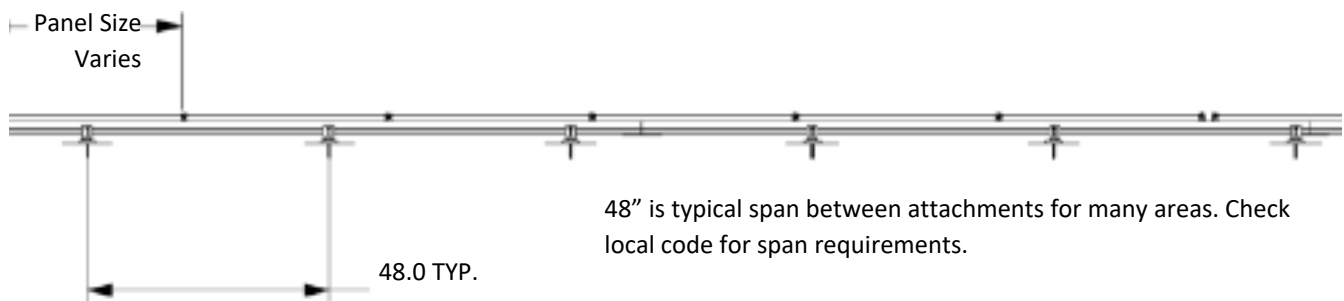
A full range of mounts available (NanoMount shown) to best fit your system needs and requirements.



The Bonding Pop-On Universal Mid Clamps accommodate PV module frame heights ranging from 30mm to 48mm.



Pop-On End Clamps are adjustable for different module frame heights and provide fast and secure attachment of modules.



48" is typical span between attachments for many areas. Check local code for span requirements.



SMR100

The SMR System represents a huge leap in racking technology. The optimized design makes the SMR Rails not only the lightest but also the strongest rails on the market.

SMR100 Rail achieves a 4' span or more up to 90 psf snow load or 190 mph winds.

Manufactured in 168" stock size in both Mill Finish and Black. SMR100 is extruded 6005-T5 aluminum.



Part Number	Description
A20422-168-ML	SMR100 Rail, Mill Finish, 168"
A20422-168-BK	SMR100 Rail, Black Anodized, 168"
A20440-BK1	Rail End Cap, SMR100, Black



SMR Pop-On Mid Clamp

The Bonding Pop-On Universal Mid Clamps accommodate PV module frame heights ranging from 30mm to 48mm. The fastest installing Mid Clamps on the market.



Part Number	Description
K10417-003	Mid Clamp, SMR Pop-On, Clear
K10417-BK3	Mid Clamp, SMR Pop-On, Black

SMR Pop-On End Clamp

End Clamps are adjustable for different module frame heights and provide fast and secure attachment of modules.



Part Number	Description
K10418-003	End Clamp, SMR Pop-On, Clear
K10418-BK3	End Clamp, SMR Pop-On, Black

Bottom End Clamp

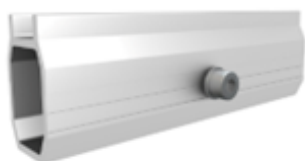
The SMR100 Bottom Clamp secures the PV panel frame flange to the Rail, which allows the Rail to be cut flush with the module frame.



Part Number	Description
K10505-001	Bottom End Clamp, SMR100, Silver
K10505-BK1	Bottom End Clamp, SMR100, Black

SMR Structural Splice

Structural splice with fast and easy single bolt installation.

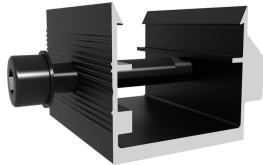


Part Number	Description
K10421-002	Structural Splice, SMR100
K10485-002	Structural Splice, SMR300



SMR L- Foot Adaptor

Fast and easy Pop-On L-Foot Adaptor speeds installation and eliminates old-fashioned T-Bolts. Install fast with full confidence in every attachment.



Part Number	Description
K10433-BK2	L Foot Adaptor, SMR100, Black
K10434-BK2	L Foot Adaptor, SMR300, Black

Grounding Lug

The Grounding Lug provides proper grounding of the PV System per UL 2703 and NEC 690.47



Part Number	Description
K10469-001	SMR Grounding Lug

Wire Management Clip

The clip attaches to the channel on the SMR rail to provide a fast and secure solution for wire management.



Part Number	Description
C10055-BK1	Wire Management Clip - SMR100

Microinverter Mount

The Microinverter Mount bonds to compatible microinverters and power optimizers.



Part Number	Description
K50052-003	SMR Microinverter Mount Kit



NanoMount®

Damaging roof shingles used to be one of solar installers' worst challenges.

Now, the easy, affordable solution is NanoMount®, SunModo's patented solar mounting innovation. The mount eliminates the need for lifting the shingle and dramatically cuts down the installation time.

The patented mount is High-Velocity Hurricane Zone Approved – Passed TAS 100 (a) Wind-Driven Rain Test. The Ultra Soft Weather Resistant gasket is integrated with the mount.

All materials are compatible with residential roof coverings as well as commercial single-ply roof membranes.



Part Number	Description
K50058-BK1	NanoMount, Black
K50049-BK1	Lag Bolt with Sealing Washer, Black
K50055-BK1	Deck Screw with Sealing Washer, Black

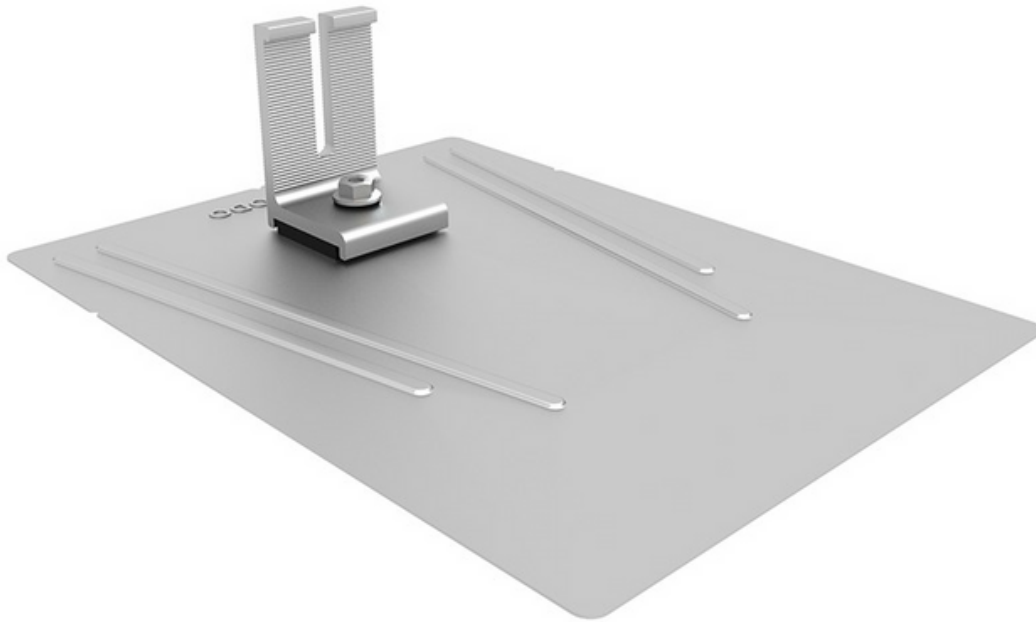


SoloFlash™

SunModo is proud to introduce SoloFlash™, the most economical flashing on the market.

The cone-shaped flashing design diverts water from the roof penetration, while the stamped emboss features stiffen the flashing to minimize bending. The L-foot has a serrated surface on both sides for rail mounting. The Ultra Soft Weather Resistant gasket is integrated with the L-Foot for maximum water protection.

The mount is High-Velocity Hurricane Zone Approved – Passed TAS 100 (a) Wind-Driven Rain Test.



Part Number	Description
K50538-003	SoloFlash, Clear
K50538-BK3	SoloFlash, Black



EZ Metal Roof Mount™ w/ L-Foot

With few components and single penetration, the EZ Metal Roof Mount Kit with L-Foot allows for fast installation. Secures tightly into wood beams.

The mount is High-Velocity Hurricane Zone Approved – Passed TAS 100 (a) Wind-Driven Rain Test.

The kit includes one EZ Metal Roof Shoe with a thick EPDM gasket for a water-tight seal, one Hex Cap, one EZ L-Foot, and all hardware.

U.S. Patent Number 8,136,311



Single penetration mount



Thick EPDM gasket for superior water tight seal



L-Foot can swivel in any direction

Part Number	Description
K10082-001	EZ Metal Roof Mount, EZ L-Foot, Clear
K10082-BK1	EZ Metal Roof Mount, EZ L-Foot, Black

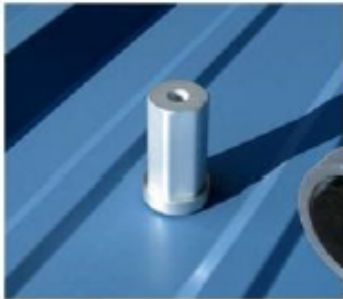


EZ Metal Roof Mount w/ Standoff

With few components and single penetration, the EZ Metal Roof Mount Kit with Standoff allows for fast installation. Secures tightly into wood beams.

The mount is High-Velocity Hurricane Zone Approved and Passed TAS 100 (a) Wind-Driven Rain Test. U.S. Patent Number 8,136,311

We also offer EZ Metal Roof Mount Kit with Two-Screw for fast and secure installation into metal purlins.



Thick EPDM gasket for superior water tight seal.



Solid aluminum standoff that comes in different lengths.



Single penetration mount

Part Number	Description
K10064-002	EZ Metal Roof Mount , 2" Standoff, Clear
K10064-BK2	EZ Metal Roof Mount, 2" Standoff, Black
K10064-005	EZ Metal Roof Mount, 5" Standoff, Clear
K10154-001	EZ Metal Roof Mount with 'T Foot' and Two Mount Holes

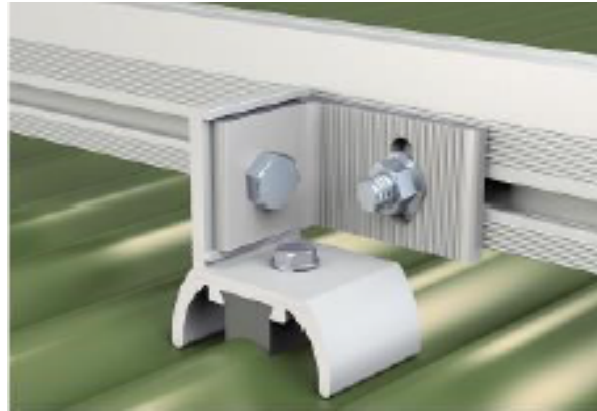
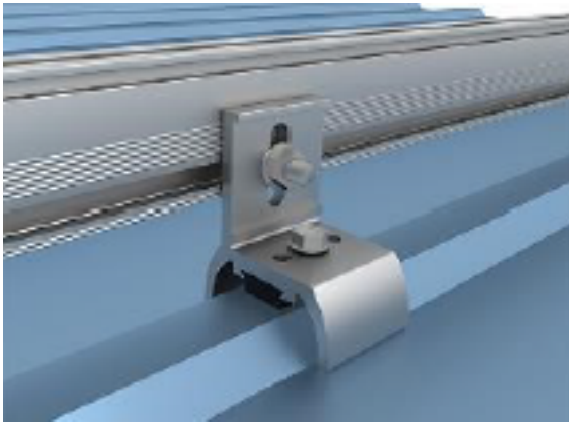


RidgeBridge™ Mount Kit

Designed for maximum flexibility, the RidgeBridge™ Mount can be attached to most traditional or trapezoidal corrugated roof profiles.

The RidgeBridge Mounts are compatible with corrugation pitch heights ranging from 3/4" to 1-1/2".

The kit can be combined with an L-Adaptor to change the orientation of the rail at right angles to corrugations.



Part Number	Description
K10211-002	3/4 Pitch Height RidgeBridge Mount (no lag bolt)
K10212-002	1 Pitch Height RidgeBridge Mount (no lag bolt)
K10213-002	1-1/2 Pitch Height RidgeBridge Mount (no lag bolt)
K10066-016	RidgeBridge L-Adaptor
A50011-001	Tool, RidgeBridge Mount Selection



TopTile Mount®

TopTile® is the world's first PV mounting system that is mounted entirely above the tiles. The mounting system spares an installer the need to deconstruct the tile roof.

The patented mount eliminates the need to deconstruct the tile roof and significantly reduces time, and minimizes tile breakage during installation. The system also allows installation on the ridges of curved tiles for superior water leak protection.

The mount is High-Velocity Hurricane Zone Approved – Passed TAS 100 (a) Wind-Driven Rain Test.



Part Number	Description
K10461-105	5" Wood Deck TopTile Mount
K10461-107	7" Wood Deck TopTile Mount
A20452-001	TopTile Spacer, 1"



L-Foot Kits

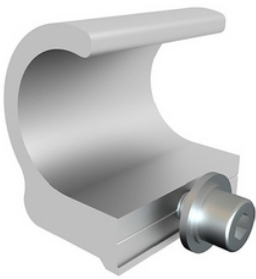
SunModo L-Foot Kits are heavy-duty and can be used in a variety of ways for mounting. One long vertical slot for adjustment of rail when facing uneven roofing. Serrated on both sides for secure mounting on the rail. We also offer a Tall L-Foot version that gives you more flexibility on vertical adjustments.



Part Number	Description
A50223-002	Open L-Foot, 3", Clear
A50223-BK2	Open L-Foot, 3", Black
A20458-001	Open L-Foot, 4", Clear
A20458-BK1	Open L-Foot, 4", Black

Conduit Clip

The Conduit Clip provides a quick and easy way to manage 3/4" and 1" diameter conduit to any rooftop solar installation.



Part Number	Description
K10429-001	1" Conduit Clip, Clear (SMR)
K10430-001	3/4" Conduit Clip, Clear (SMR)



SMR Pitched Roof System

SMR Tilt-up is a single-row tilt-up system ideal for light roof structure application. Utilizing our new SMR rail and pop-on technology, the system offers various tilt degree options to maximize the power output at lower cost. Designed to meet the needs of a variety of roof structures, the installation is easy and quick to save your labor cost and time.



Flat and low-slope roof mounting L Foot, combined with tilt-up rails, provides versatile pitch angles. With a variety of attachment options, the system can be configured in endless ways to meet your specific needs.



SunModo offers three standard tilt-up rail lengths of 8, 14, and 25 inches to achieve tilt angles of 10 and 20 degrees. A 10-foot full-length tilt-up rail is also available for on-site cutting, allowing maximum flexibility. The top mount and side mount standoffs are available in 3 lengths.

Tilt-Up Rail



Part Number	Description
K10497-008-ML	SMR Tilt Leg Kit, 8" Long
K10497-014-ML	SMR Tilt Leg Kit, 14" Long
K10497-025-ML	SMR Tilt Leg Kit, 25" Long
A50258-120-ML	SMR Tilt Leg, 120" Long

Top Mount Standoff



Part Number	Description
A20055-004	4" Top Mount Standoff
A20055-006	6" Top Mount Standoff
A20055-008	8" Top Mount Standoff

Side Mount Standoff



Part Number	Description
A20056-005	5" Side Mount Standoff
A20056-007	7" Side Mount Standoff
A20056-009	9" Side Mount Standoff

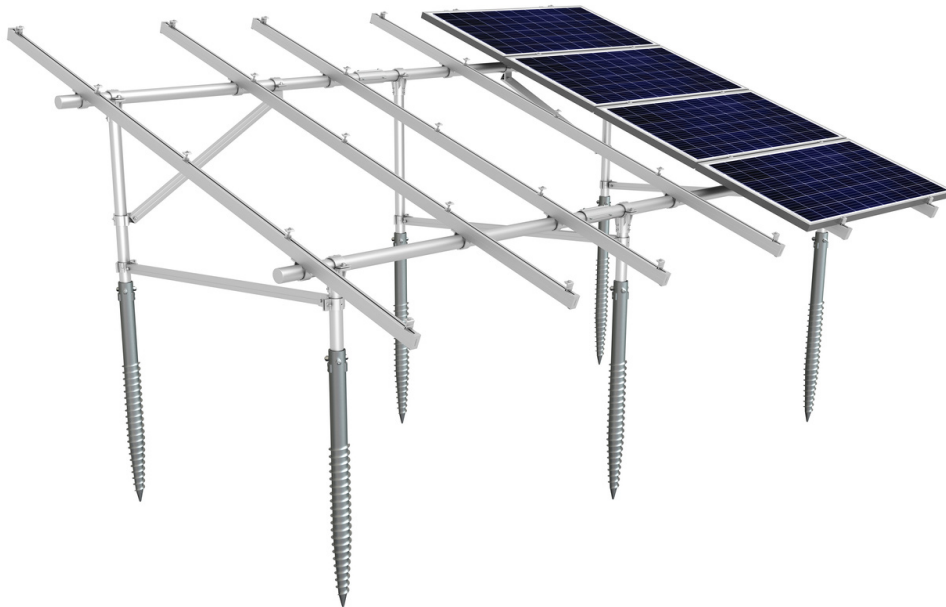


SunTurf® Ground Mount System

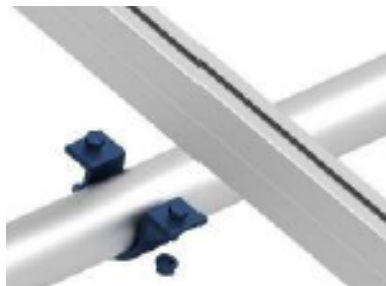
SunModo offers the next generation of the Ground Mount System. The streamlined design combines the simplicity of a pipe-based system with next-level engineering.

SurTurf Ground Mount is ideal for solar installers looking for a low-cost high performance system that can accommodate a wide variety of soil conditions.

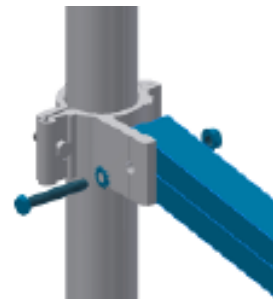
SunTurf Ground Mount System easily integrates SMR300 Rails with Schedule 40 Steel Pipes. The innovative swivel pipe cap kit can accommodate terrains up to 27% slope east-west and 120% slope north-south. Combine SunTurf with our Ground Screws or Augers and do a complete install of a 15kW system with only one day on the job site.



Position the Pipe Cap on top of the vertical pipe and lay the horizontal pipe into the Pipe Cap assembly.



Attach the rail to the pipe using the aluminum pipe clamp kit. To prevent galvanic reaction, the PVC insulator must be installed between the steel pipe and the aluminum rail.



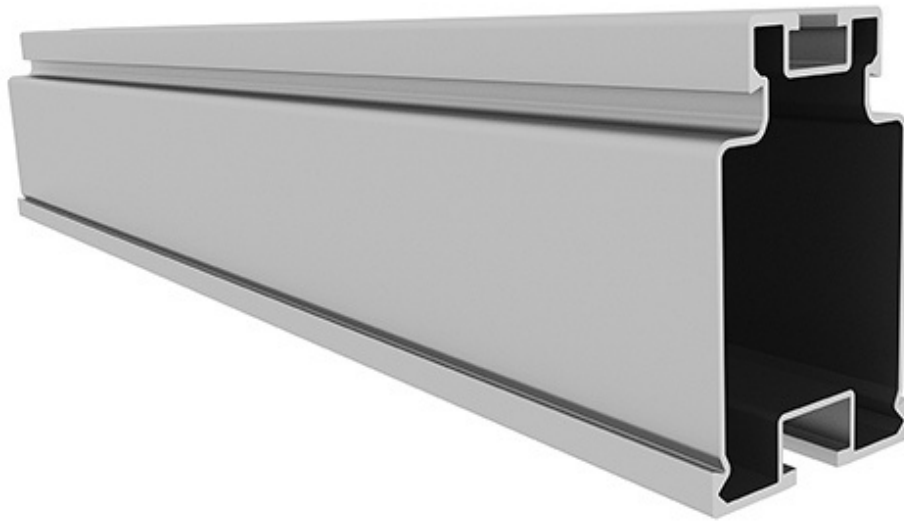
When bracing is required to a post, the pipe clamp kit is used.



SMR300

SMR300 rail is specially designed for the SunTurf system to maximize spans and optimize cost and performance. The rails can handle a variety of components, such as rail splices, micro-inverters, and clamps.

Manufactured in 2 stock sizes in mill finish. The rails are extruded 6005-T5 aluminum.



Part Number	Description
A20444-174-ML	SMR300 Rail, Mill Finish, 174"
A20444-212-ML	SMR300 Rail, Mill Finish, 212"
A20445-001	Rail End Cap, SMR300, Clear



SMR Pop-On Mid Clamp

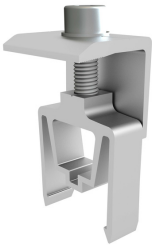
The Bonding Pop-On Universal Mid Clamps accommodate PV module frame heights ranging from 30mm to 48mm. The fastest installing Mid Clamps on the market.



Part Number	Description
K10417-003	Mid Clamp, SMR Pop-On, Clear

SMR Pop-On End Clamp

End Clamps are adjustable for different module frame heights and provide fast and secure attachment of modules.



Part Number	Description
K10418-003	End Clamp, SMR Pop-On, Clear

SMR Structural Splice

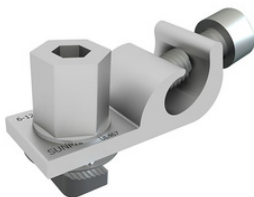
Structural splice with fast and easy single bolt installation.



Part Number	Description
K10485-001	Structural Splice, SMR300

Grounding Lug

The Grounding Lug provides proper grounding of the PV System per UL 2703 and NEC 690.47



Part Number	Description
K10469-001	SMR Grounding Lug



Swivel Pipe Cap Kit

This swivel pipe cap saves time and money by eliminating the need to grade the land before installing the PV array on sloped terrain.



Part Number	Description
K10373-001	Swivel Pipe Cap Kit

Pipe T-Clamp Kit

Position the T-Clamp Kit on top of the vertical pipe and lay the horizontal pipe into the Pipe Cap assembly.



Part Number	Description
K10341-002	2.5" Pipe T-Clamp Kit

Pipe Clamp Kit

The powder coated cast aluminum 2 piece clamps allows for quick installation of the braces, available in 2.0" and 2.5".



Part Number	Description
K10219-001	2" AL Pipe Clamp Kit
K10222-001	2.5" AL Pipe Clamp Kit



Pipe U-Clamp Kit

Attach the rail to the pipe using the U-Clamp Kit. To prevent galvanic reaction between dissimilar metals, the included PVC Insulator must be installed between the steel pipe and the aluminum rail.



Part Number	Description
K10343-005	2.5" Pipe U-Clamp Kit

Pipe Splice Kit

Pipe Splice Kit provides bonding and strength between horizontal pipes when needed.



Part Number	Description
K10342-001	2.5" Pipe T-Clamp Kit

Steel Post Base Plate Kit

The steel post base can be used where a more robust connection is needed to resist higher wind and seismic loads.



Part Number	Description
K10268-005	2" OD Steel Post Base Plate Kit



Helical Screw Anchor

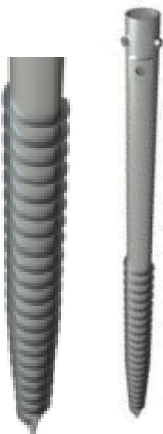
Helical screw anchors are suitable for use in weak to moderate strength soils and areas with a high water table.



Part Number	Description
K10414-079	Anchor, 10" Helix Screw 79" Long Auger Kit

Ground Screw Anchor

Ground screw anchors are suitable for use in hard packed earth or soils with large amounts of cobble and gravel. Set screws are included.

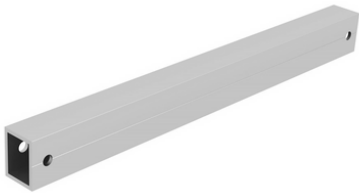


Part Number	Description
K10423-063	Anchor, Screw 63" Long Auger Kit
K10423-080	Anchor, Screw 80" Long Auger Kit



Diagonal Brace

The high strength steel diagonal tube brace provides extra support as needed.



Part Number	Description
A50164-066	HSS Tube Brace, 1.5 x 1.5 x .083min Wall, 66" Long
A50164-092	HSS Tube Brace, 1.5 x 1.5 x .083min Wall, 92" Long
A50164-120	HSS Tube Brace, 1.5 x 1.5 x .083min Wall, 120" Long

12-Gauge High Strength Steel (HSS) Pipe

SunModo provides either a 2" (2.375" O.D.) or 2.5" (2.875" O.D.) 12-gauge, HSS, hot dip galvanized pipe with a minimum 50 KSI yield strength. 2.5" HSS pipe end caps provide a clean finished look to the system.



Part Number	Description
A21165-060	Pipe, HSS, 2", 2.375" OD X 12 GA, 60" Long, G-90,
A21165-120	Pipe, HSS, 2", 2.375" OD X 12 GA, 120" Long, G-90
A21168-112	Pipe, HSS, 2.5", 2.875" OD X 12 GA, 112" Long, G-90





Racking Partner of Professional Installers

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Solar installation professionals rely on a single partner for all their mounting and racking needs. SunModo is dedicated to providing innovative racking solutions that help you install systems quickly and painlessly. Our products already set the standard for durability, safety, and security, and our R&D Team is constantly engineering affordable, hassle-reducing innovations that meet industry standards. You can access our products through our preferred distributors.

ABOUT SUNMODO

SunModo is a private U.S. company focused on innovative racking and mounting solutions for professional installers in the fast-growing solar industry. We are energized every day by a desire to make solar installation easier, more reliable, and more affordable. Our commitment to innovation can be seen across our entire product line, which includes 20-plus industry-shaping patents.

