

POWER PEAK™ POWER SPIKE™

The **POWER SPIKE** mounting system is designed for residential and commercial ground mount installations. The system's use of ground screws makes for easier installation without the need for special equipment. **POWER PEAK** structures are easily assembled without lifting equipment and do not require field modifications, including drilling or welding. Pre-assembled components, including patented module clamps, are designed to significantly reduce installation time and labor, and the system's unique module rail design incorporates built-in-wire channels to increase efficiency and provide a professional-looking appearance.

FEATURES AND BENEFITS

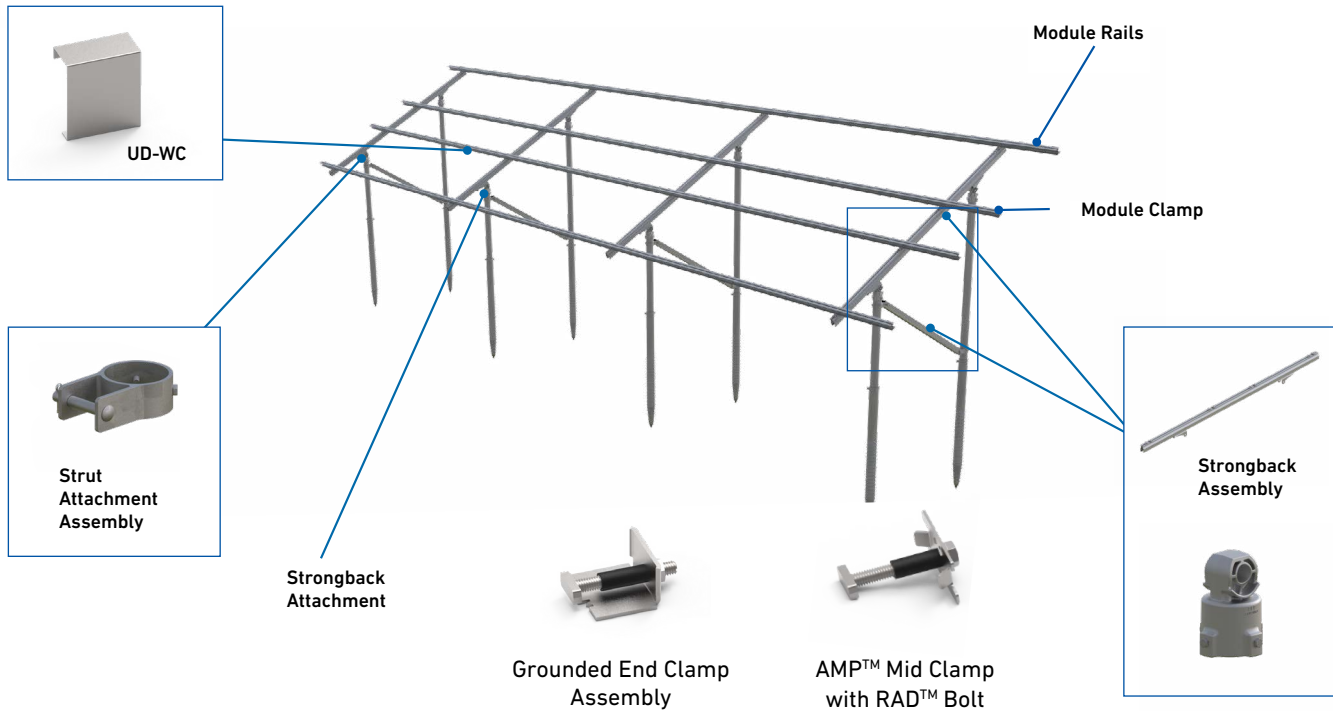
- Featuring high-strength, lightweight aluminum components
- Optimized for site-specific conditions
- Pre-assembled components
- High-strength aluminum or steel attachments
- Integrated wire management channels
- Wind tunnel tested
- Code compliant





COMPONENTS

POWER SPIKE™ – Ground Screw Ground Mount System



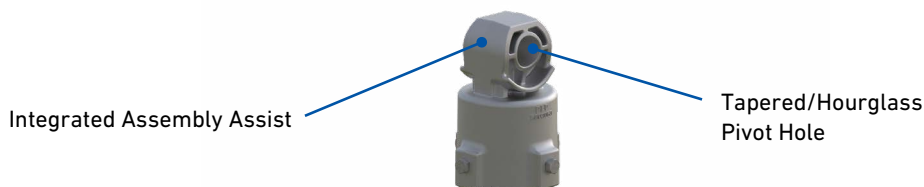
Component	Part Number	Features
Ground Screws	PWRSPIKE-102GS-61000	<ul style="list-style-type: none"> Embedded with standard equipment Available in 61" and 81" lengths for most frost depths Support most soil types Galvanized - Ready to install
	PWRSPIKE-102GS-81000	
Strut Attachment Assembly	PWRSPIKE-135SB	<ul style="list-style-type: none"> Field adjustable Pre-assembled – No loose parts High-strength Galvanized Steel for corrosion protection Quick assembly with cotter pin
	PWRSPIKE-151SB	
	PWRSPIKE-161SB	
Strongback Assembly	PWRSPIKE-ST-ATTACH	<ul style="list-style-type: none"> Slide over pipe design for rapid installation High-strength aluminum corrosion protection Built in articulation for angled posts (+/- 15 degrees)
Strongback Attachment	PWRSPIKE-CAP-KIT	<ul style="list-style-type: none"> Lightweight and easy assembly to posts for a single person Factory pre-assembled Field adjustable for easy alignment Available in 3 sizes to fit any panel
Module Rails	UD-166	<ul style="list-style-type: none"> Lightweight, high-strength aluminum Built-in wire channels Long lengths minimize splices
	UD-246	
Module Clamps	PA-EC-XX-RAD-SS <i>XX indicates the thickness of the module frames in mm</i>	<ul style="list-style-type: none"> Heavy-duty stainless steel Factory pre-assembled – Lock-in-Place RAD™ Clamp, patented Built-in electrical bonding Secure module clamping
	PA-GMC-XX-XX-RAD-SS <i>XX indicates the thickness of the module frames in mm</i>	

OPTIONAL: Wire Management Clip (UD-WC)

STRONGBACK & STRUT ATTACHMENT

The main attachments are strong, durable, and designed with built-in adjustability.

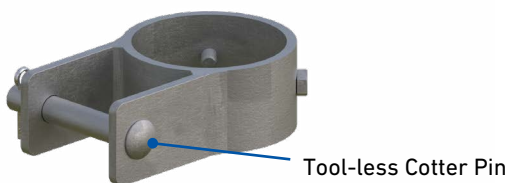
Strongback Attachment



Feature	Benefit
Integrated Assembly Assist	Without using hardware, the installer can temporarily hang the Strongback on the Strongback Attachment until the next person can follow-up with through bolts
Tapered/Hourglass Pivot Hole	Provides ± 15 -degrees lateral movement of the Strongback for angled ground screws
Set Bolts	Installation to the pipe using 4 set bolts does not require field drilling

Strut Attachment

Ships pre-assembled, no gathering of hardware or assembly required.

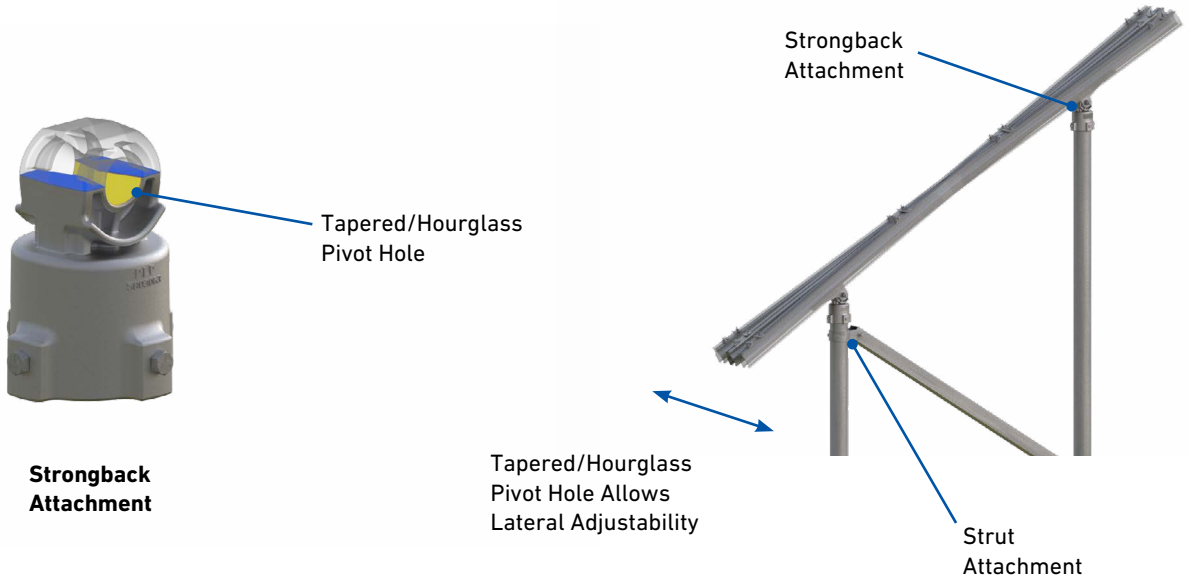


Feature	Benefit
Cotter Pin Assembly	Tool-less installation to the strut by using a cotter pin
No Drilling	Easy to fasten set bolts requires no field drilling



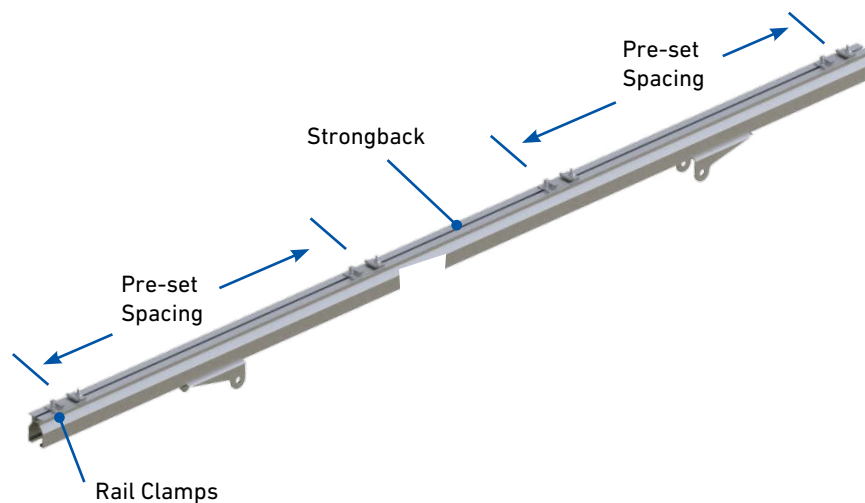
STRONGBACK & STRUT ATTACHMENT CONTINUED

Each includes an hourglass shaped pivot hole allowing ± 15 -degrees of lateral adjustability.



STRONGBACK ASSEMBLY

Ships fully assembled as shown below.



Feature	Benefit
Strongback	Available in several size options to optimize design strength and reduce material cost
Support Strut	Rapidly installs to the strut attachments without tools.
Rail Clamps	Preset spacing to meet the module manufacturer's clamping specifications while reducing field measurements and handling of small parts
Loosen Bolts	Loosening Slide Attachment bolts allows installer to adjust the Strongback as needed to follow land contours

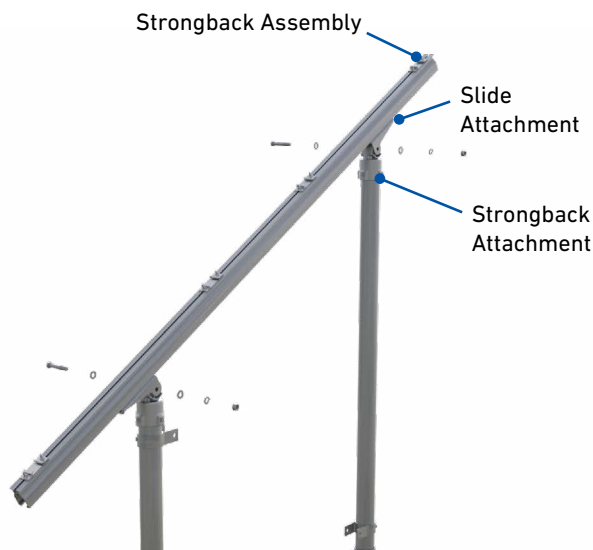
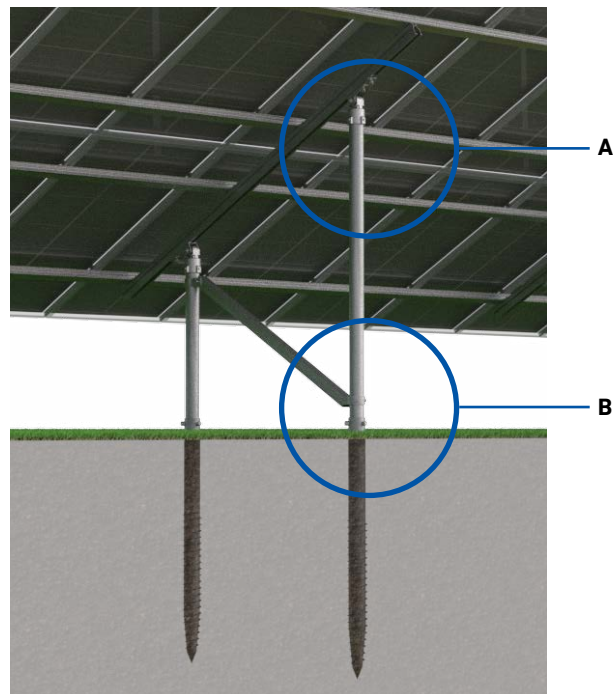


STRONGBACK ASSEMBLY CONTINUED

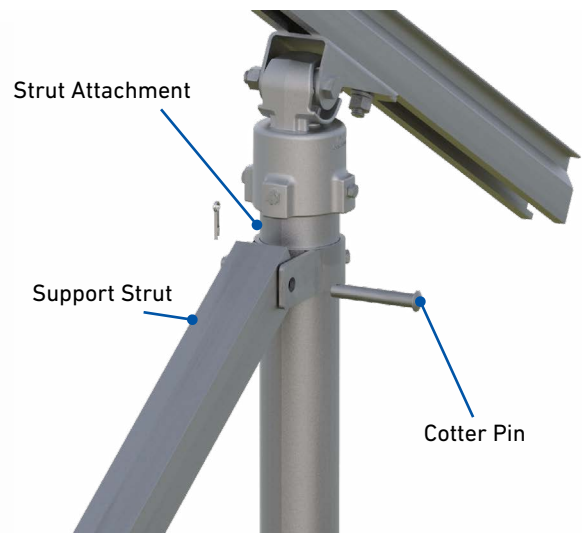
Pre-hanging the Strongback Assembly

To reduce installation costs, the lightweight components of the Strongback Assemblies allow them to be easily lifted by one person and pre-hung on the pipes, after which through bolts and hardware are installed to secure it in place. This sets the stage for one person or team to pre-hang the Strongback Assemblies while a second person or team follows up with through bolts and hardware. There is no need for heavy-duty lifting equipment.

How it works: At the top of the 3-inch pipes, the Strongback Attachment has a cradle that accepts and holds the Strongback Assembly in place via the Slide Attachment. Partway down the vertical pipes, the Strut Attachment accepts the support strut via the pre-installed cotter pins. These two attachment points allow the Strongback Assembly to freely rest in place awaiting the through bolts and attaching hardware.



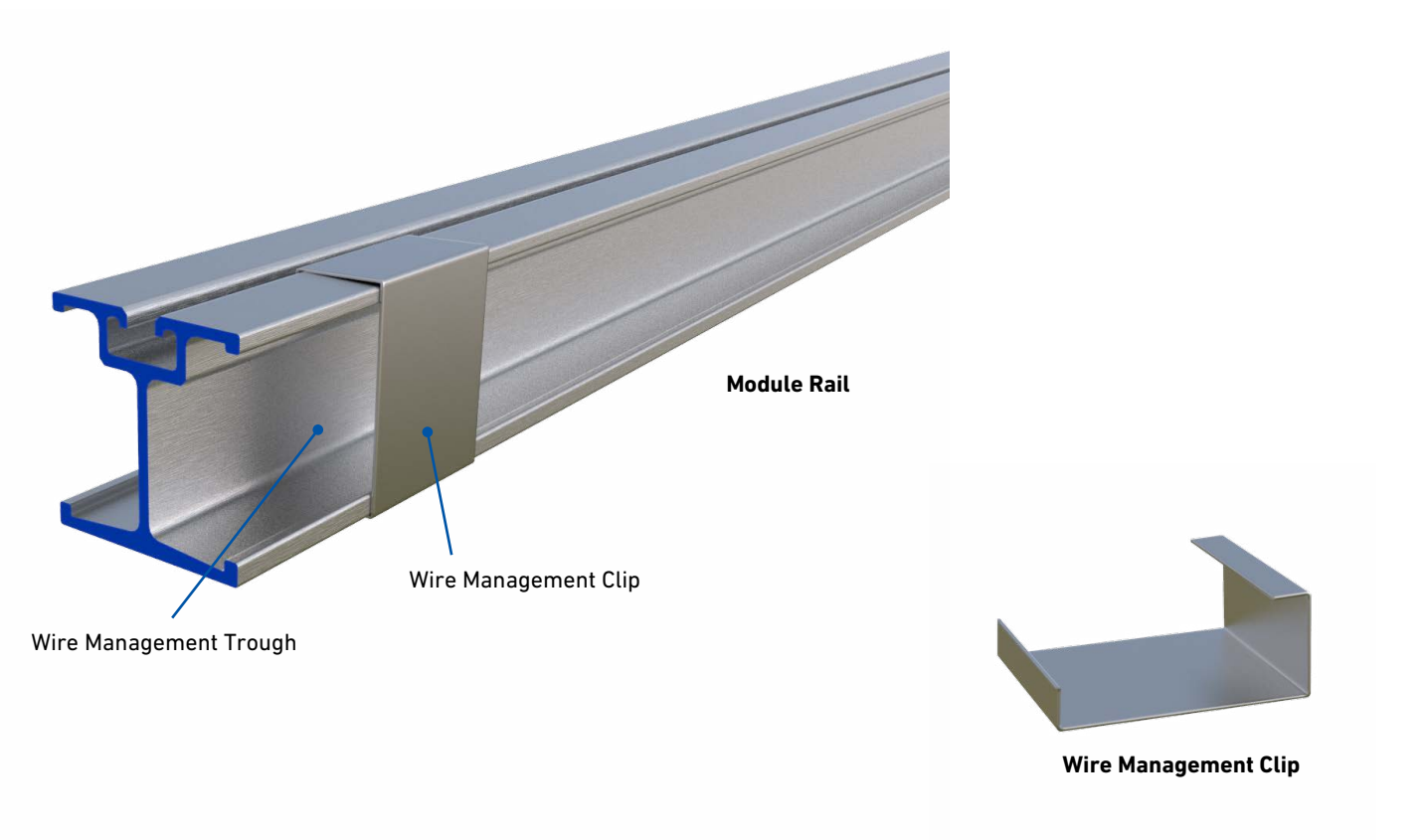
A



B

MODULE RAILS

Lightweight aluminum extrusion requires no heavy lifting equipment.

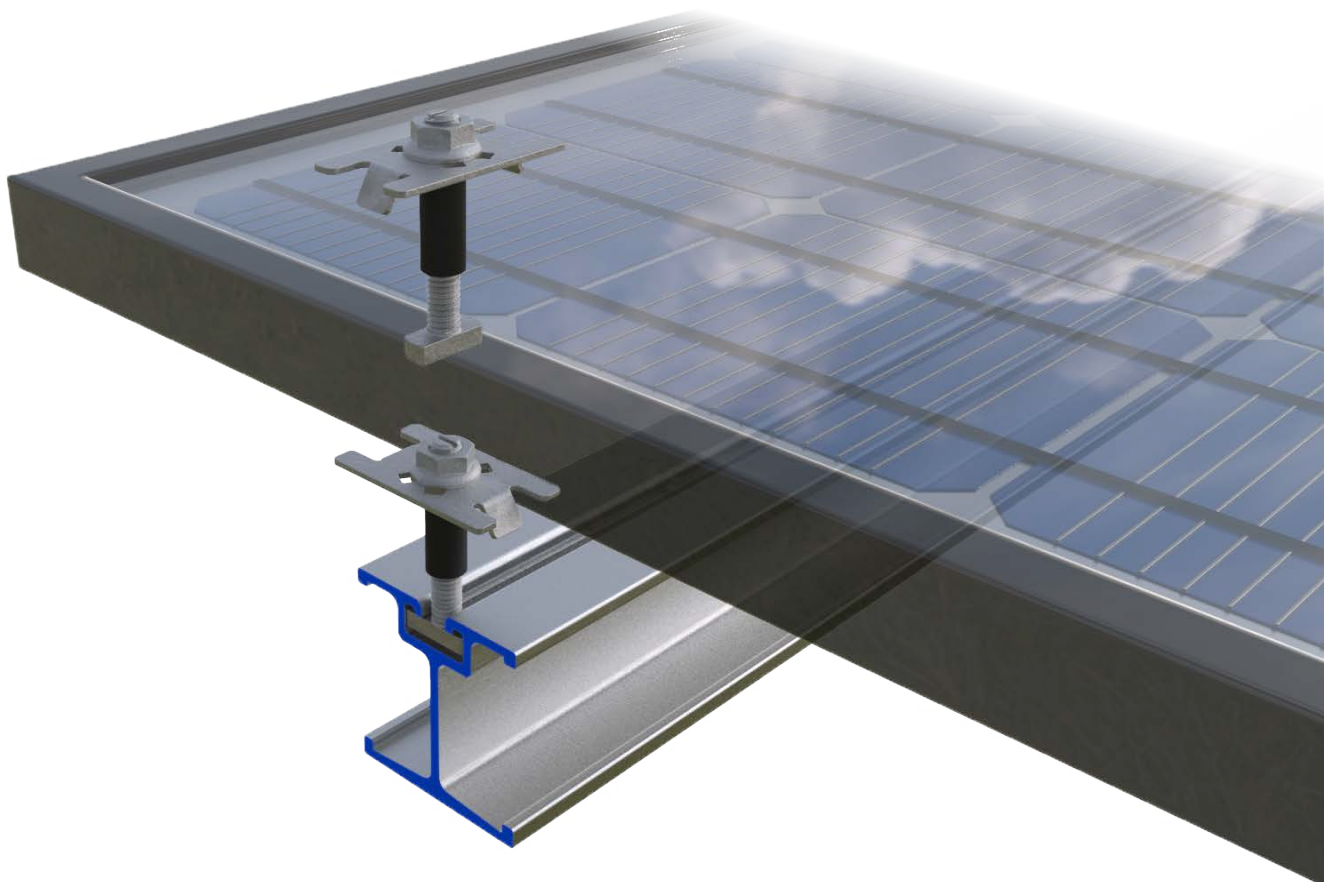


Feature	Benefit
Module Rail	Available in several size options to optimize design strength and reduce material cost
Wire Management Clip	Easily snaps into place and holds wires snug within the trough, providing a clean, professional aesthetic
Wire Management Trough	Allows ample space to contain wires for a clean and professional appearance



POWER PEAK™ POWER DRIVE™ GROUND MOUNT SYSTEM

- Fast installation and on-the-fly adjustability
- Double Ground Screw installation
- Single-Strut design
- Built-in features maximizes adjustability
- Factory pre-assembly minimizes components and on-site labor requirements
- Pre-assembled/integrated grounding module clamps
- Integrated wire management
- UL-2703 listed



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