

# Cable Management for Solar



**Commercial and Utility Grade Installations**







## ABOUT US

Snake Tray is a leading manufacturer of cable management solutions for commercial and utility grade solar installations. Our cable management products are designed with features to substantially lower the total cost of construction. Our team works closely with the design engineers, contractors and owners to develop and manufacture the most cost-effective solutions for solar installations. Our engineers and sales team stand ready to assist you with take offs, bill of materials and product solutions. Call us at 800-308-6788 to discuss your next project.

**Made in USA**

## Customer List

The following companies and organizations are just a few who have made a commitment to superior cable management with Snake Tray products.



### Snake Tray® is Green and Proudly Powered by the Sun!

Snake Tray is committed to manufacturing products that minimizes the impact on the environment.

We are proud to be the first in our industry to manufacture utilizing solar power from our own roof top solar array. We have streamlined our manufacturing methods and have adopted greener practices including reducing waste, saving energy, and utilizing resources wisely. We stand ready to help building owners, architects and design engineers reach their sustainable building goals.

- Made of 100% recycled steel
- Products designed to create no material waste
- Compact shipping and packaging
- US made with distribution centers throughout the USA
- Reusable and 100% reclaimable products



A.G. Edwards  
ABC  
Aer Lingus  
Amazon  
American Airlines  
Amica Insurance  
AT&T  
Barclays Bank  
Bank of America  
Big Shine Solar Energy  
BlackRock  
Bloomberg  
Boeing  
BP  
Buffalo Solar  
Catalyze  
Catamount Solar  
Caterpillar  
CIA  
CitiBank  
Cherry Street Energy  
Clēnera  
Coca Cola  
Columbia Gas  
Columbia University  
ConEdison  
Cornell University  
CS Energy  
CS First Boston  
CVS  
CyrusOne  
DC BLOX  
Department of Homeland Security  
Deutsche Bank  
DirecTV  
Disney  
Duquesne Light Company  
Ebay.com  
Ecovis Inc.  
EDF Renewables  
EDS  
Edward Jones  
EMC Insurance  
Enable Energy  
Enterprise Rent-A-Car  
Envinity  
ESPN  
Exxon  
FAA  
First Solar  
FBI  
Federal Reserve Bank  
Ford Motor Company  
General Dynamics  
Google  
Got Electric LLC  
Hannah Solar Government Services  
Harvard University

Harvest Power  
Helix Electric  
Herzog  
Honda  
HSI Solar  
IBM  
Independent Energy  
Intel Corp  
Kern Solar Structures  
Key Bank  
Keyes European Solar  
Jane Street Capital  
Johns Hopkins University  
J.P. Morgan Chase  
Jurchen Technology  
K-Mart  
Lever Brothers  
Lion Electric  
Lucas Museum Of Narrative Art  
MasterCard  
McDonalds Corporation  
McGraw Hill  
Merck  
Merrill Lynch  
MetLife  
Monarch Electric  
Montefiore Medical Center  
Motorola  
MYR Energy Services  
NASA  
National Library of Medicine  
NBC  
Netflix  
New York Stock Exchange  
Northrop Grumman  
NY City Fire Department  
Ocean Solar  
Orbital Solar Services  
O'Hare Intl. Airport  
Paradise Energy Solutions  
PAYCHEX  
PEG Systems  
PepsiCo  
Pfizer  
Pharmacia & Upjohn  
Philip Morris  
Picktricity  
Pivot Energy  
Progeneration Energy  
Progressive  
PSE&G  
Puget Sound Naval Shipyard  
Quest Diagnostics  
Raytheon  
RENU Energy Solutions  
ReVision Energy  
SAIC  
Siemens

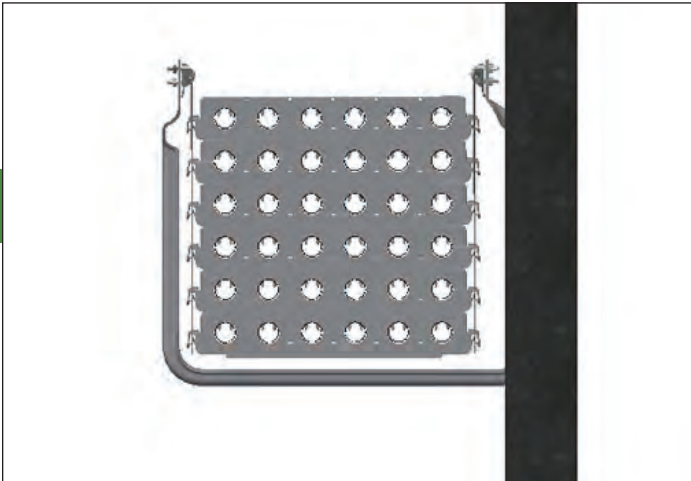
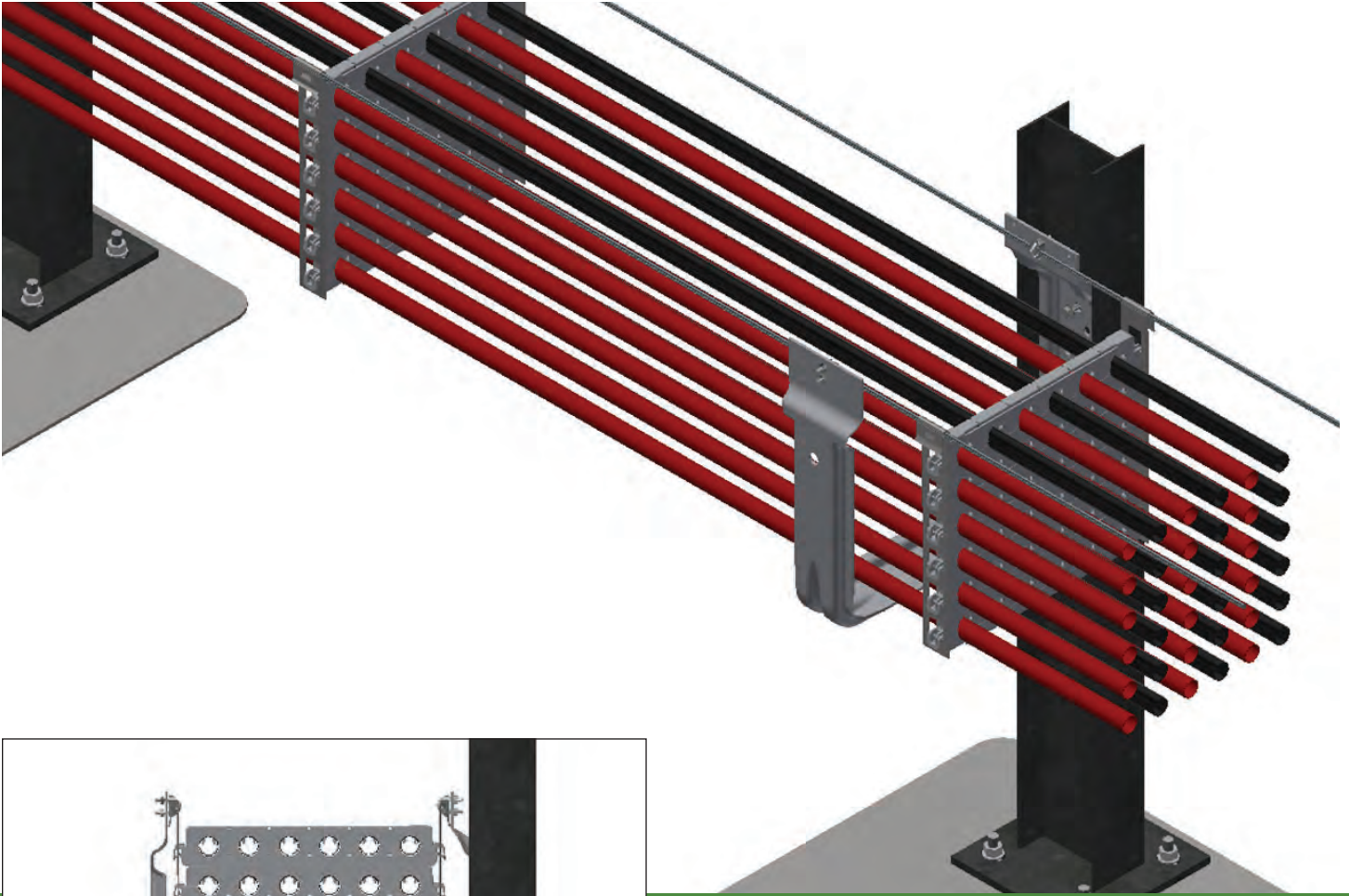
Sky Fire Energy  
Solar Speed Rack  
Solscient Energy  
Southwestern Bell  
Speir Innovations  
Sprint  
Spreck Energy  
Standard Solar  
Staples  
State of North Carolina  
State of Tennessee  
Strata Solar  
Sun Power  
Sunation Solar  
Sun Tribe  
Target



The Gap  
The Kennedy Center  
3M  
TIAA  
Toronto Transit  
Tosco Refining Company  
Travelocity  
Union Pacific  
United Health Group  
United Nations  
United Renewable Energy  
University of Maryland Children's Hospital  
UPS  
US Air Force  
US Army  
US Corps of Engineers  
US Coast Guard  
US Department of State  
US Department of Transportation  
US House of Representatives  
US Marines  
Vanderbilt University  
Vanguard Solar  
Verizon  
Walmart  
Wells Fargo  
Werner Electric  
World Trade Center  
WTEC Energy  
Yale University



## Solar Snake Max XL™ - Messenger Wire System



### Solar Snake Max XL™

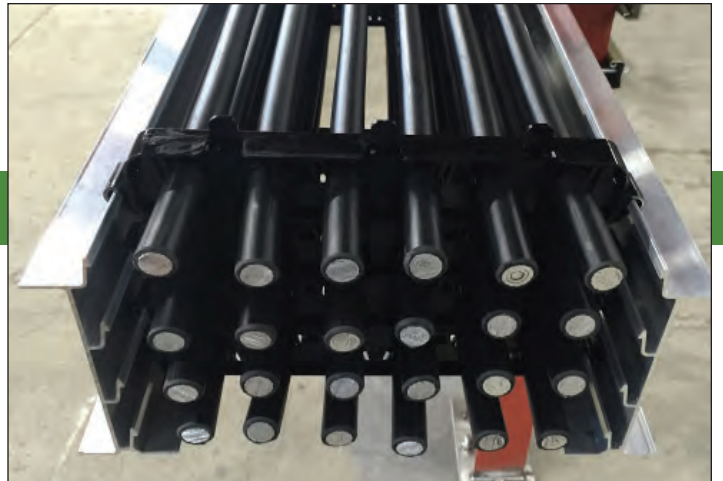
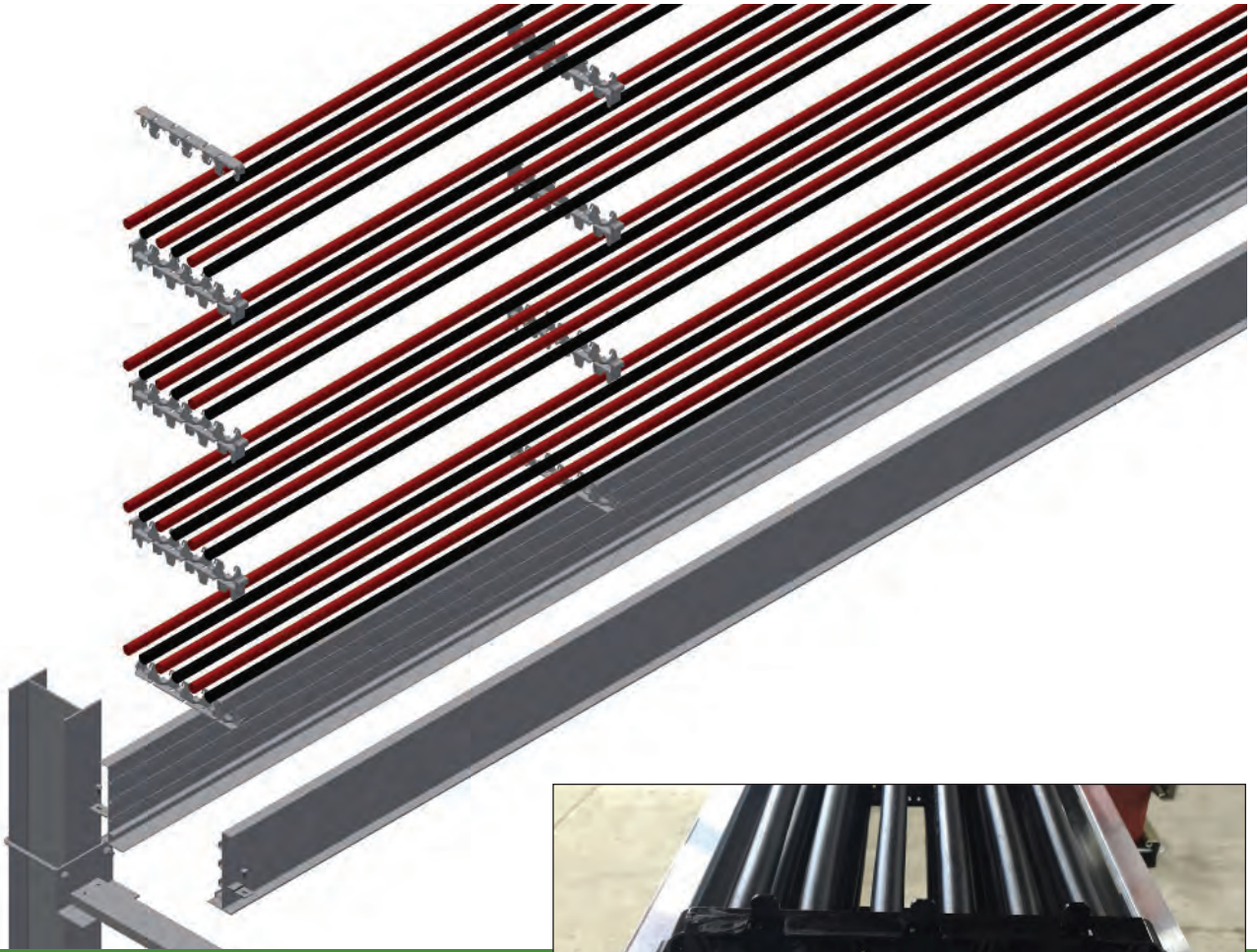
Solar Snake Max XL is the revolutionary solar cable management system that manages cables ranging from 350 Kcmil up to 1250 Kcmil from the module to the interconnection area. This trenchless solution installs as fast as 22,000 feet in a day offering a safer, less labor-intensive solution. The open-air design maintains NEC 310.15 compliant cable separation which allows the cables to operate more efficiently to yield up to 30-watt hours per meter far surpassing that of bundled cables. The above ground design also allows for easy installation, operation and maintenance.

### Messenger Wire System Benefits

- Maintains NEC 310.15 compliant cable separation which can yield up to 30-watt hours per meter more energy than bundled cables
- No trenching for safe installation, operation and maintenance
- No derating of cable required with open air design
- Easy snap together components require no field fabrication
- Accommodates cables ranging from 350 Kcmil up to 1250 Kcmil
- Mounts to any style of vertical pilings or poles
- Install in any elevation or terrain
- Insulation-Piercing Connector (IPC) compatible



## Solar Snake Max XL™ - Hard Rail System



### Hard Rail Benefits

- Maintains NEC 310.15 compliant cable separation which can yield up to 30-watt hours per meter more energy than bundled cables
- No trenching for safe installation, operation and maintenance
- No derating of cable required with open air design
- Easy snap together components require no field fabrication
- Accommodates cables ranging from 350 Kcmil up to 1250 Kcmil
- Mounts to any style of vertical pilings or poles
- Install in any elevation or terrain
- Insulation-Piercing Connector (IPC) compatible

Using the same elements from the messenger wire system the cables are fixed in a structural containment allowing the free air routing in and around the inverter pad, as well as a complete routing system for battery farms.



## Solar Snake Max XL™ Messenger Wire Complete System

3

5

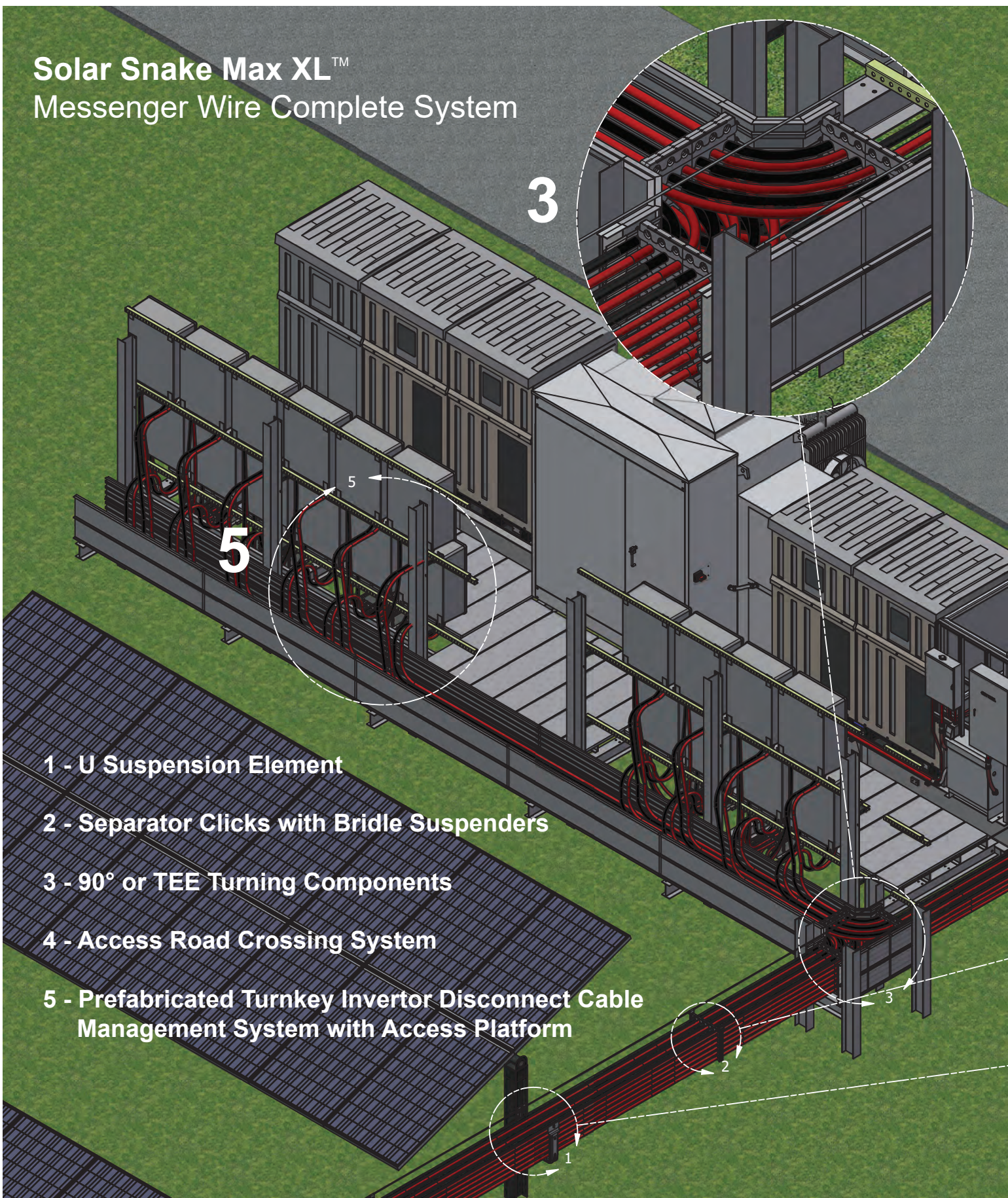
1 - U Suspension Element

2 - Separator Clicks with Bridle Suspenders

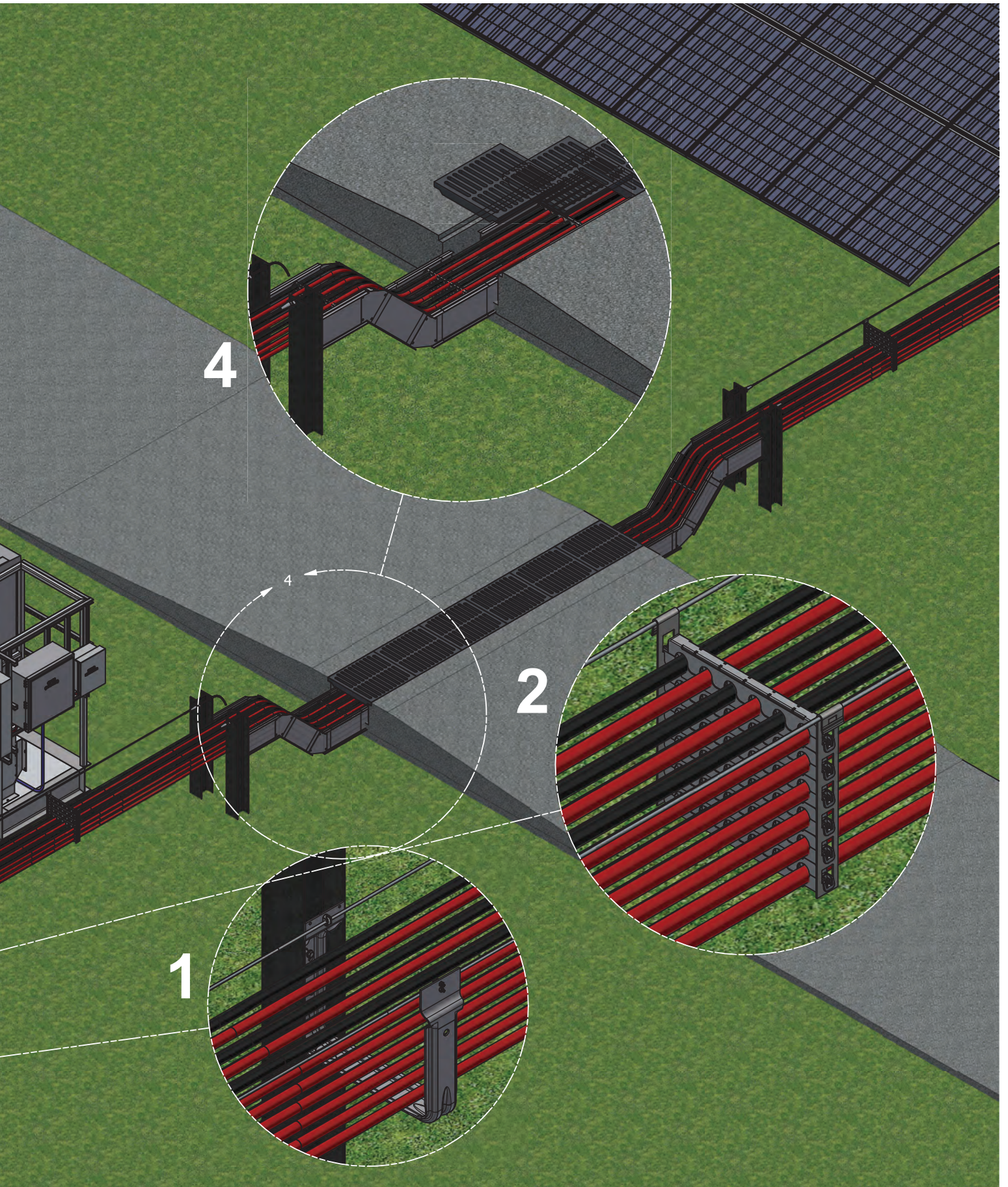
3 - 90° or TEE Turning Components

4 - Access Road Crossing System

5 - Prefabricated Turnkey Invertor Disconnect Cable Management System with Access Platform

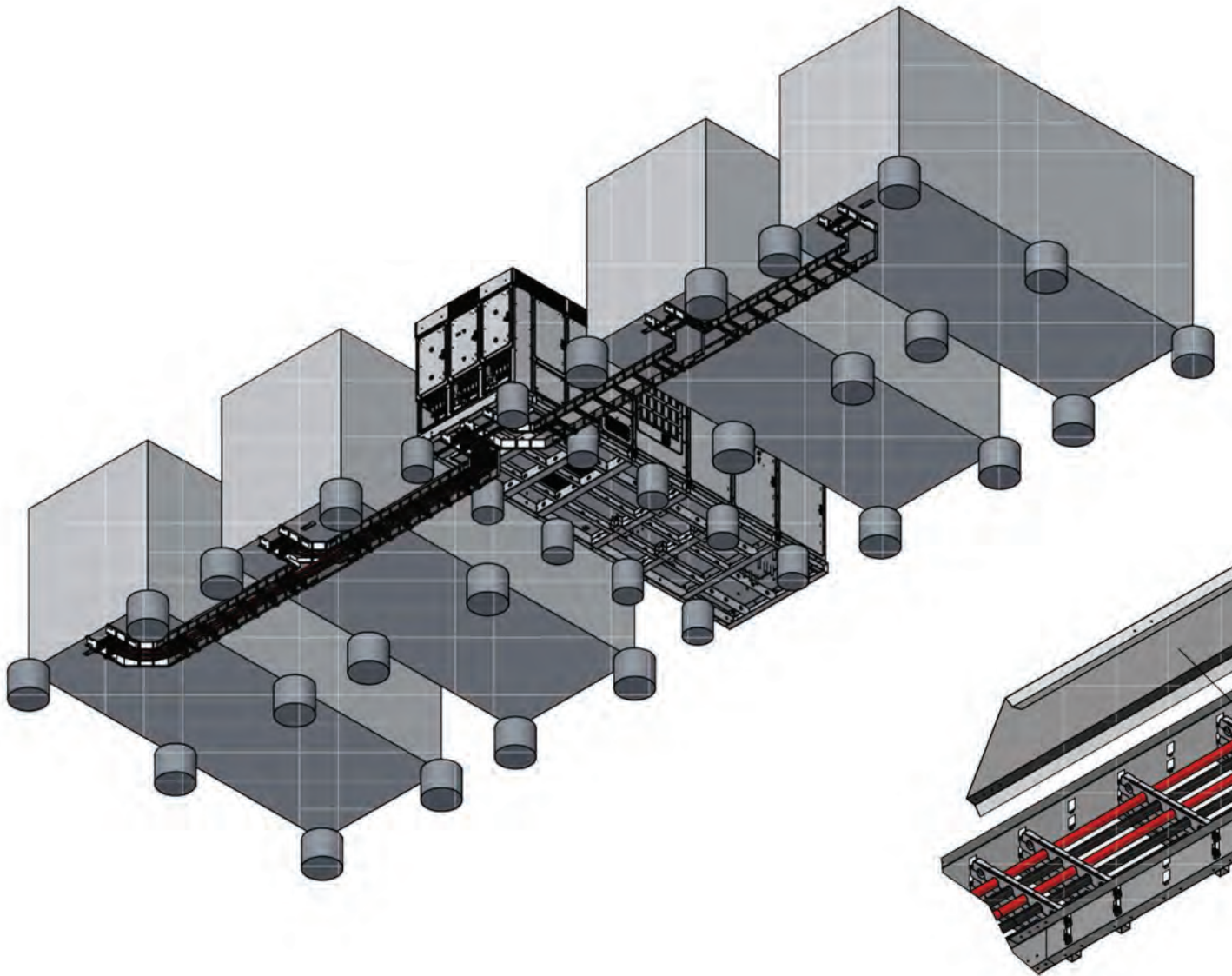








## Snake Tray's Solar Cable Management System For Battery Energy Storage System (BESS)

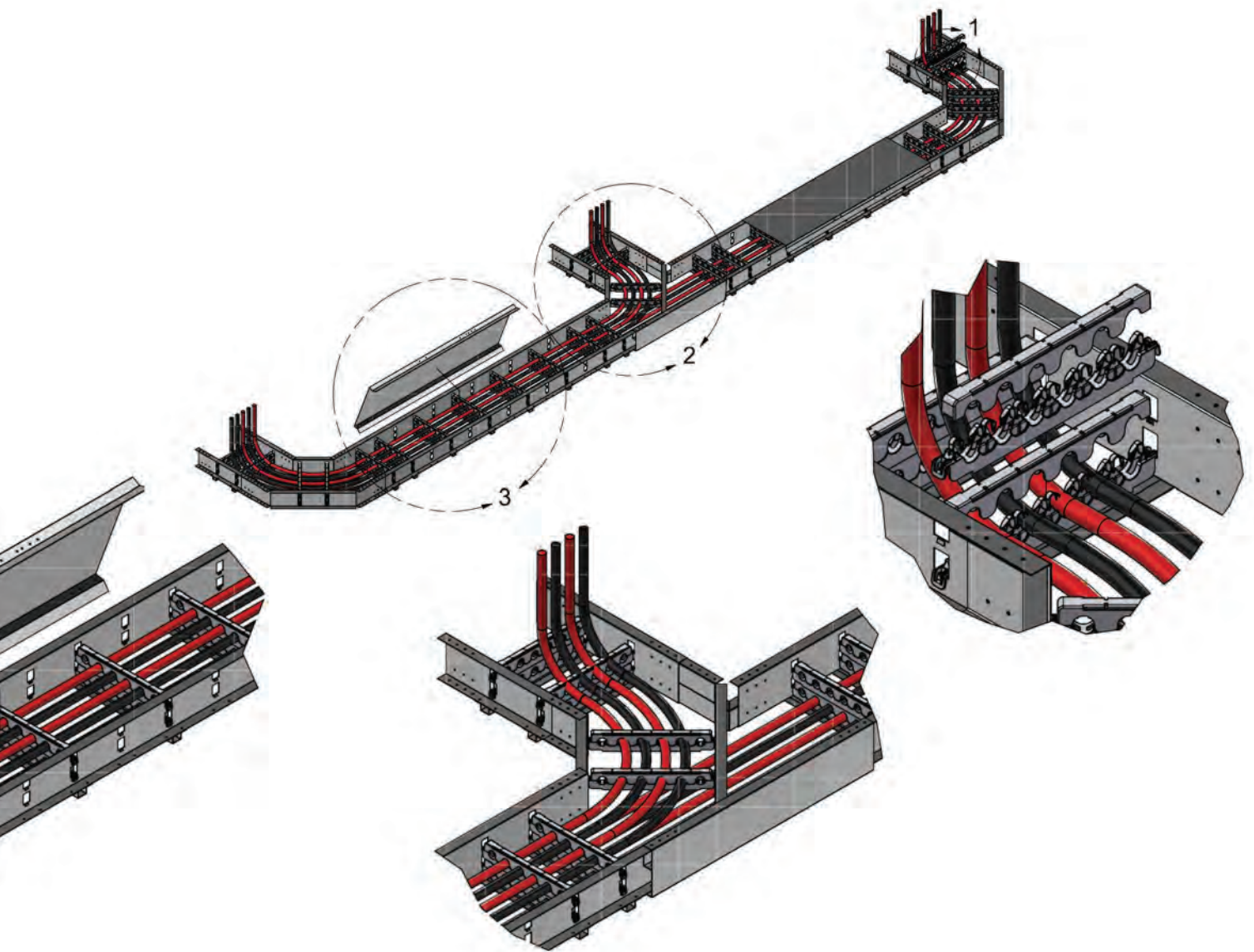


### Cable Management For Interconnecting the Batteries to the Inverters, Utility or Solar Farm

#### Benefits

- Open air design means no trenching, substantially lowering the cost of labor and materials
- NEC 310.15 code compliant cable separation requires no derating of the cables
- Snap together components require no tools
- Accommodates cables ranging from 350 Kcmil up to 1250 Kcmil
- Compatible with any inverter style and battery storage system
- Made in the USA





## Solar Snake Tray®

For Rooftops, Ground Mounts and Car Park Installations



### Cable Management for Solar Installations that Drastically Lowers Installation Costs!

The world's only weatherproof, hand bendable cable conveyance that quickly and securely carries DC circuitry from solar panels to their terminations. Change directions easily by bending Solar Snake Tray with your own two hands.

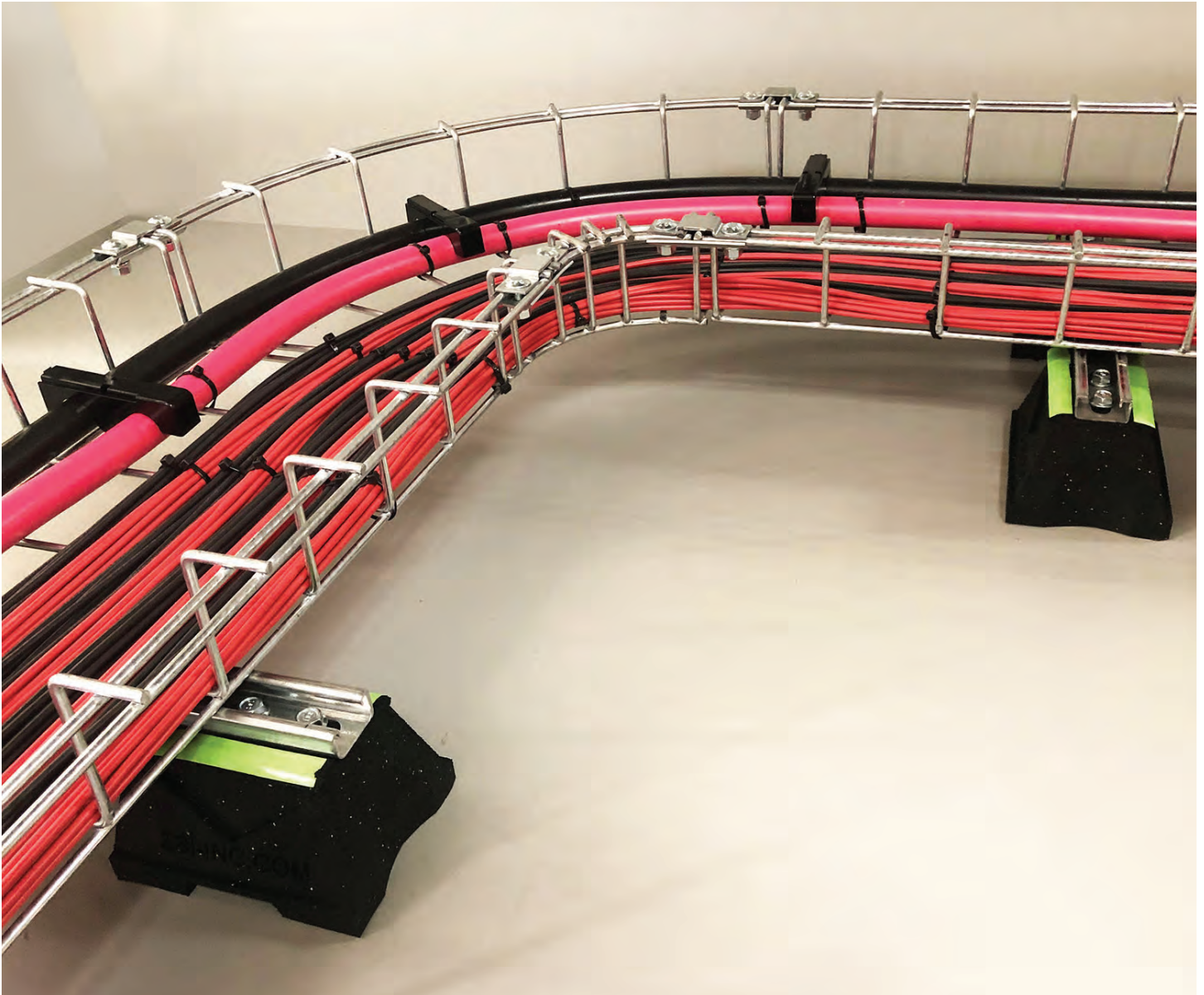
#### Benefits

- Built-in mounting rings for infinite mounting options
- Trays connect together with a single connector for a 15-second bonded attachment tray to tray
- Patented "lobster trap" design, ensures effortless out door cable installation, while trapping and protecting the cables from hurricane force winds over 120 mph



## Solar Mega Snake®

For Rooftops and Brownfield Sites

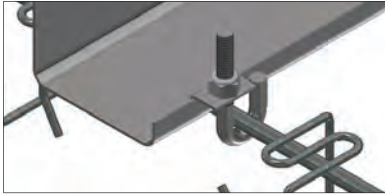


### Cable Management for Solar Cables

#### Benefits

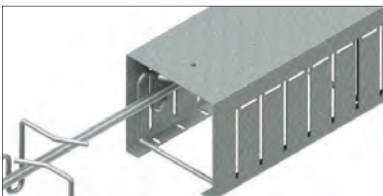
- Built-in mounting rail for attaching accessories including combiner boxes
- Nests together for economical shipping and easy material handling
- Available in Powder Coat or Stainless Steel for climate specific applications

## Accessories



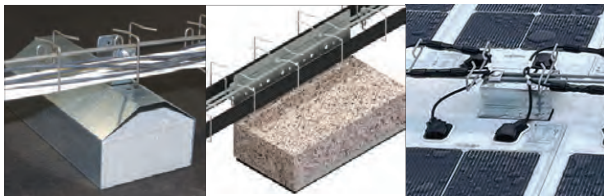
### Snake Hook for Mounting to Any Type of Purlin

Hook specifically designed to mount our hand bendable Solar Snake Tray to any purlin style structure in seconds.



### Solar Snake Covers

The 60" long cover gives cabling an added layer of protection. Constructed of galvanized sheet steel with air slots for ventilation.



### Roof Standoff

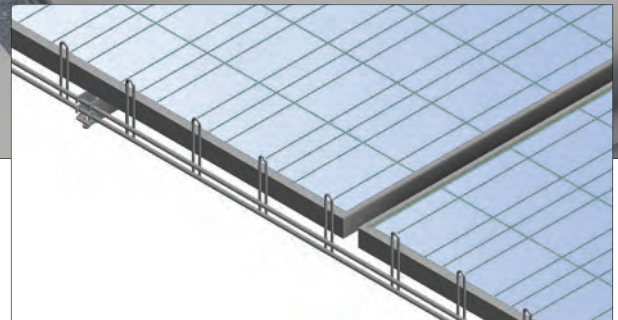
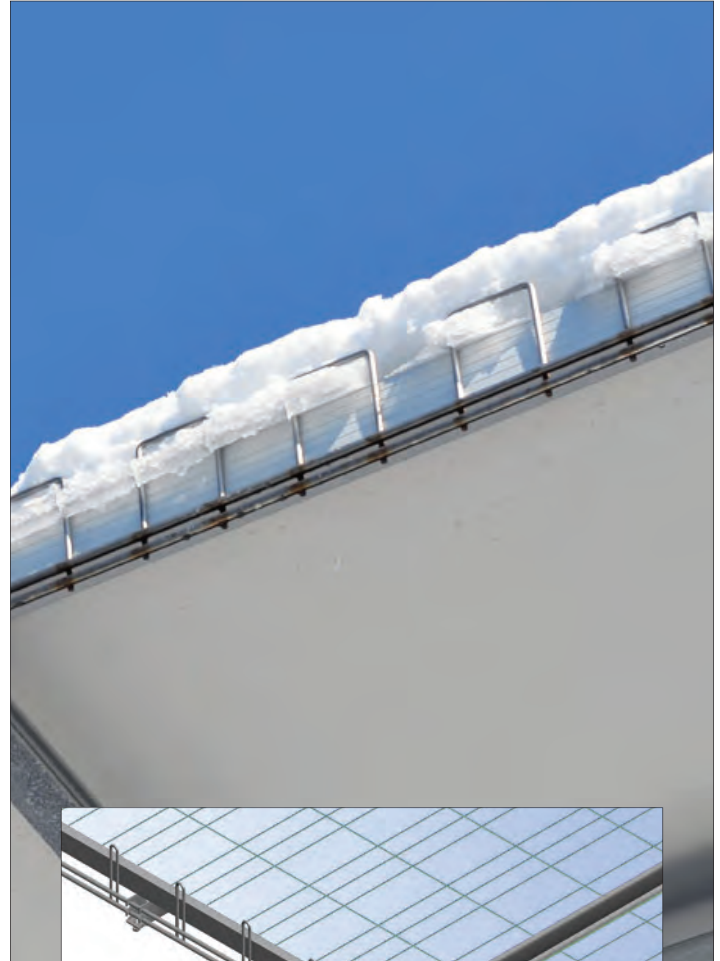
Common cement block ballasts used to support Solar Snake cable tray, carrying PV cables from solar arrays to combiner boxes and inverters. Available with a strut mount system and custom brackets to attach to most roof top ballasted component. Padding on base protects roof membranes.



### Solar Snake Charmer Cable Manager

Keeps connectors and cables out of water and snow on rooftops. Snake Charmer snaps into place under the panel to carry connectors safely and securely at the rear of the panel. No tools required.

## Solar Panel Ice Guard



Snake Tray's Solar Panel Ice Guard helps to aid in the prevention of ice and snow from falling off the surface of the solar panels. The system easily mounts to the frame of any solar panel and is designed to hold back frozen material up to the top edge of the guard, helping to protect pedestrians and vehicles from the dangers of falling ice.

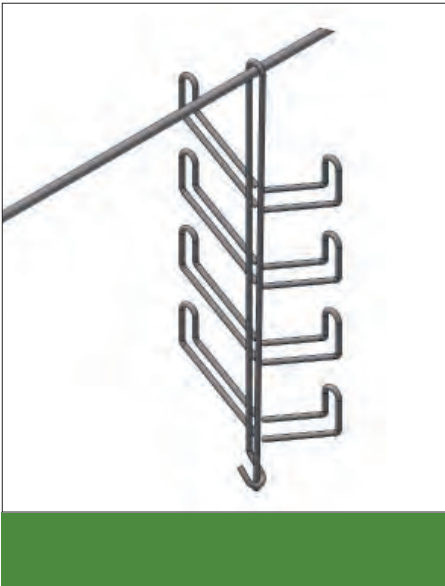
### Benefits

- Universal Mounting System
- Easy Installation
- Works with any flanged solar panel
- Ships from stock



## Snake Tray® String Cable Hangers for Messenger Wire

Our new portfolio of solar cable hangers provides durable, cost effective, and expeditious installations for managing cables under solar panels. Our new hangers will greatly simplify new project installations, repowering, system expansions, upgrades, O&M, and troubleshooting over the life of the project.



### String and Feeder Cable Hanger

As utility grade systems grow in size so does the size of string cables. Utilize Snake Tray's tree hanger with a capacity of up to a quantity of 16, 750 Kcmil cables per hanger. Ideal for larger scale projects and can even be stacked to create a modular system to further increase capacity. The side loading feature offers quick access to installing and maintaining cables for reduced labor costs. No trenching for minimal ground disturbance. The large capacity loops will handle any size of cable bundle easily and effectively.



### Snake-Loc String Hanger

Quickly top load the PV cables directly into this light weight double pocket hanger with a squeeze loc feature that quickly attaches onto the messenger cable to secure the string cables. Significantly reduces time and labor by requiring no tools.



### Torque Tube Hanger

Tube hangers point in the right direction and are designed with innovative features that provide a dual round section to manage cable as trackers move daily up to 67 degrees following the sun from east to west. Our hangers can be custom designed to fit any style of fixed tilt or tracker for a secure fit over any style torque tube or fixed tilt structure.

## Solar Snake Max XL™ For Water Installations



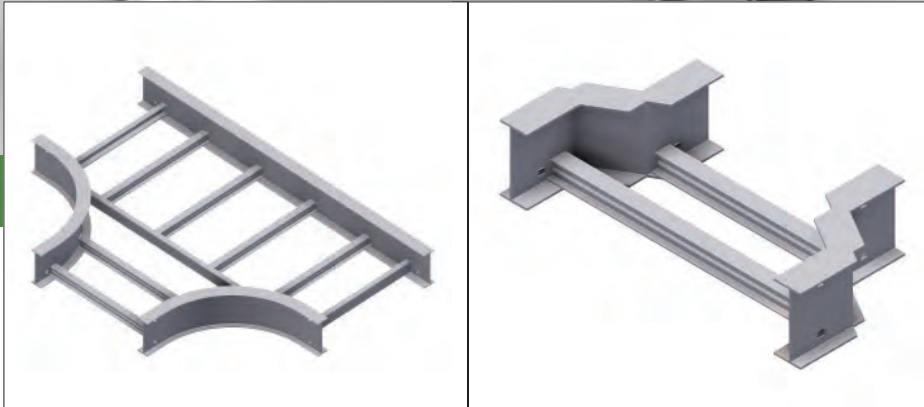
This cable manager has been specially designed to manage cables in water environments with stainless steel rails and snap together polycarbonate clicks to maintain NEC 310.15 code compliant cable separation.

### Benefits

- Mounts to floating solar arrays
- Accommodates cables ranging from 350 Kcmil up to 1250 Kcmil
- Maintains NEC 310.15 code compliant cable separation
- All components are constructed of high-quality corrosion resistance materials



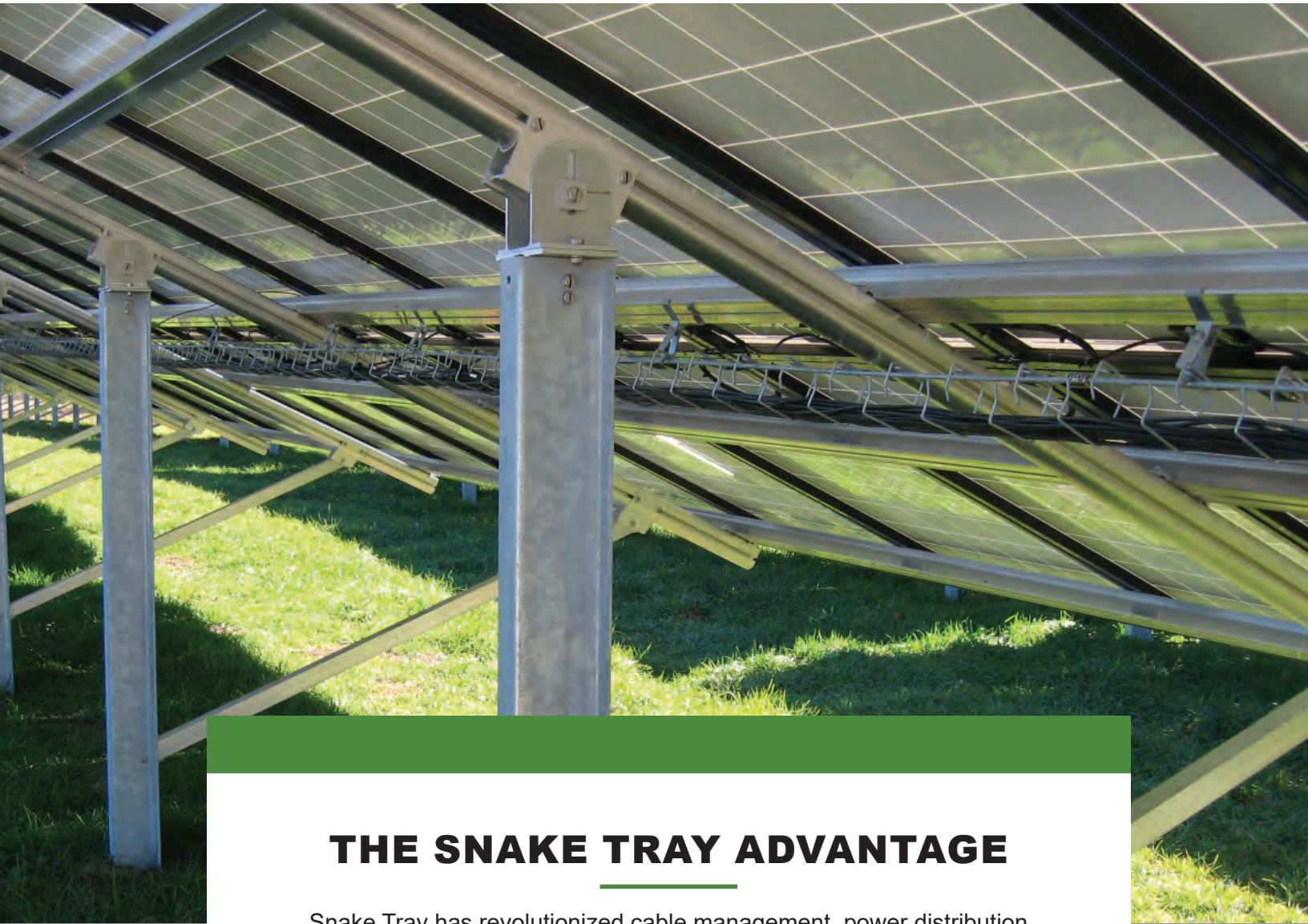
## Aluminum Cable Tray®



Snake Tray Aluminum Cable Tray is lightweight for easier installation while offering a high loading capacity to manage large cable runs. Components are easy to attach with our quick connection system.

### Benefits

- Lightweight aluminum
- High loading capacity to handle large cable runs
- Easy connection system



## THE SNAKE TRAY ADVANTAGE

Snake Tray has revolutionized cable management, power distribution and enclosures with a variety of innovative products designed to install quickly, reduce labor and material costs which will significantly drive down the total cost of construction. All of our products are made in the USA and stocked throughout the USA to ship on time for our customers.

Our engineers and sales team stand ready to assist you with take offs, bill of materials and product solutions.

Call us at 800-308-6788 to discuss your next project.



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[www.snaketray.com](http://www.snaketray.com) | MADE IN USA

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Snake Tray® products are covered by one or more of the following patents: #6637704, #6637165, #6463704, #6460812, #6449912, #6361000, #6347493, #6019323, #6347493, #6449912, #6460812, #5953870, #5839702, #6926236, #7168212, #7959019, #8783628, #8985530, #8622679, #9074707, #10944355, #10666029. Foreign Patents: Australia #737813, #748160, #749488, #776643, #776644. Canada #2251732, #2319624, #2303081, #2396792. Japan #3723224. Mexico #204995, #229386, #220889. Europe #1012938, 1012937. Other Patents Pending.