

# CABLE MANAGEMENT SOLUTIONS FOR RENEWABLE ENERGY



Solar/PV ♦ Battery Energy Storage Systems ♦ EV Charging Stations





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

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.

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

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



SCAN HERE



TO LEARN MORE

## About Us

Snake Tray is the leading manufacturer of cable management solutions for commercial and utility grade solar, battery energy storage and EV charging 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 provide the most cost-effective solutions for renewable energy installations. We stand ready to assist you with take offs, bill of materials and product solutions. Call us on 631-674-0004 to discuss your next project.

## Customer List

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

Active Solar	Independent Energy	Solar SpeedRack
Big Shine Energy	Inman Solar	Solscient Energy
BP	Kern Solar Structures	Soltec
Bright Future Solar	Keyes European Solar	SOLV Energy
Energy	Kiewit	Spreck Energy
Buffalo Solar	King Solar	Standard Solar
Catalyze	LightEdison	Strata Clean Energy
Catamount Solar	Lindsay Renewables	Summit Solar
Cinterra	Linxon	Sun Power
Clēnera	Lion Electric	SUNation Solar
ConEdison	Lodestone Energy	Sun Tribe
CS Energy	MYR Energy Services	TAF Solar
Depcom	NextEnergy	Target
Ecovis Inc.	Novel Energy Solutions	
EDF Renewables	Ocean Solar	
EDS	Orbital Solar Services	
Enable Energy	Paradise Energy	
Envinity	Solutions	
EPC Services	Picktricity	
First Solar	Pivot Energy	
GenPro Energy	Planted Solar	
Gordian Energy	PPC Solar	
Systems	Primoris	
Got Electric LLC	Progeneration Energy	
Greentech Renewables	PSE&G	
Hannah Solar	Qcells	
Government Services	RENU Energy Solutions	
Harvest Power	ReVision Energy	
Helix Electric	Rosendin	
HSI Solar	Sky Fire Energy	
		Tesla
		United Renewable
		Energy
		Vanguard Solar
		Van Meter Inc.
		Walmart
		Werner Electric



Snake Tray® products are covered by one or more of the following patents: #6637704, #6637165, #6463704, #6460812, #6449912, #6361000, #6347493, #6019323, #6347493, #5953870, #5839702, #6926236, #7168212, #7959019, #8783628, #8985530, #8622679, #9074707, #10944355 B2, #10666029, #11271519 B2, #20210336430 A1, #20220112969, #20210194419 A1, #2020030461 #20190229507, #10225947 B2, #8985530 B2, #20220221174, #20210126445 A1, #20200403390, #10666029 B2, #10225947, #20180313469 A1, #20180317336 A1, #11692648 B2, #11,929,602 B2, #US 2024/0275152 A1. International Patents: Australia #737813, #748160, #749488, #776643, #776644, Canada #2251732, #2319624, #2303081, #2396792, Japan #3723224, Mexico #204995, #229386, #220889, Europe #1012938, #1012937. Other Patents Pending.



## BATTERY ENERGY STORAGE SYSTEMS

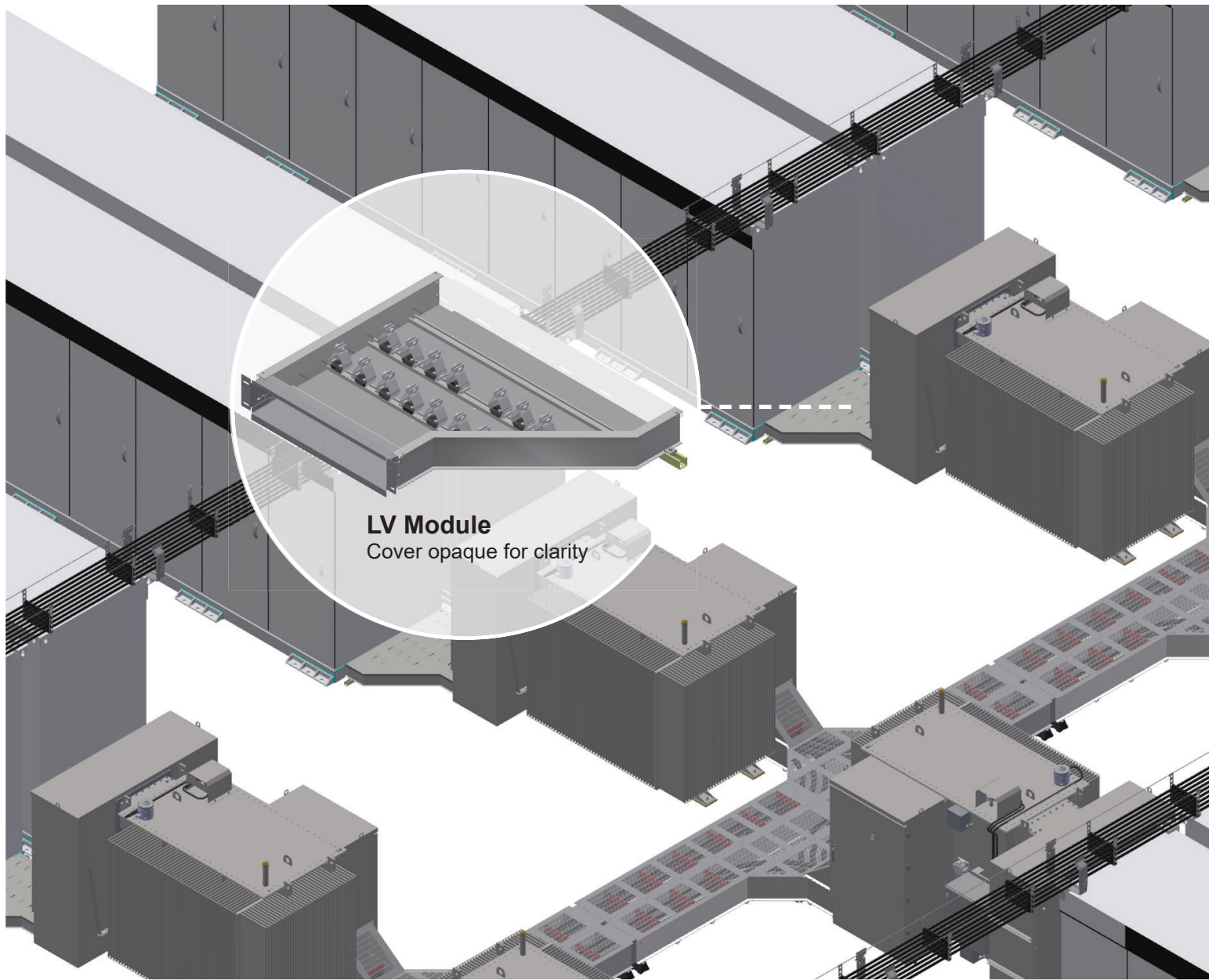


### **Solar Snake Max™ For Battery Energy Storage Systems (BESS)** **Cable Management for Interconnecting the Batteries to the Inverters, Utility or Solar Farm**

#### **Benefits:**

- Above-ground cable conveyance eliminates the need for trenching, substantially lowering installation cost and reducing project timelines
- Cables are separated by no less than one cable diameter, providing best-in-class heat dissipation
- Complies with NEC 310.17 Free Air ampacities, allowing for either the use of smaller cables, or increased power throughput
- Accommodates cable sizes up to 1250 Kcmil
- Solutions available for all BESS, inverter, and transformer types/configurations
- Optional side-car trays are available to carry auxiliary, data, and fire suppression circuits

## BATTERY ENERGY STORAGE SYSTEMS



### LV Module Benefits:

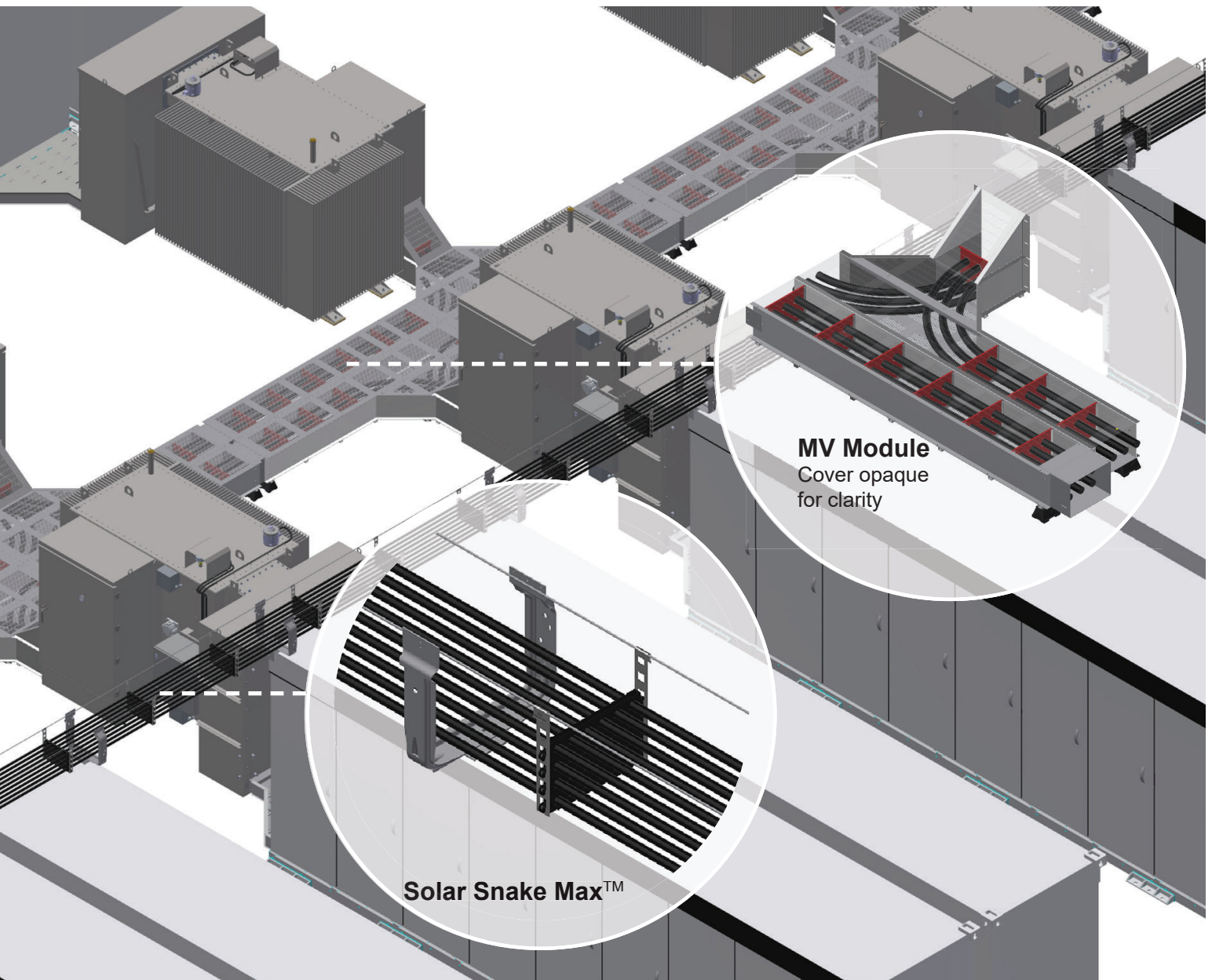
- Design optimized to carry low-voltage (LV) cables from battery to transformer LV cabinet
- Available in 2-hour and 4-hour battery configurations
- Trefoil cleats designed to 135kA resistance to electromechanical force (short circuit)
- Can be configured to accommodate multiple equipment grounding conductors and Rextec bushings
- Incorporated rodent ingress mitigation

### MV Module Benefits:

- Design optimized to carry medium-voltage (MV) cables from one transformer to the next
- Can be configured to carry a range of MV cable sizes and quantities
- 25kA resistance to electromechanical force (short circuit)
- Incorporated rodent ingress mitigation
- Allows for Free Air separation of conductors, no bundle derates required



## FULLY ABOVE GROUND BESS INSTALLATION



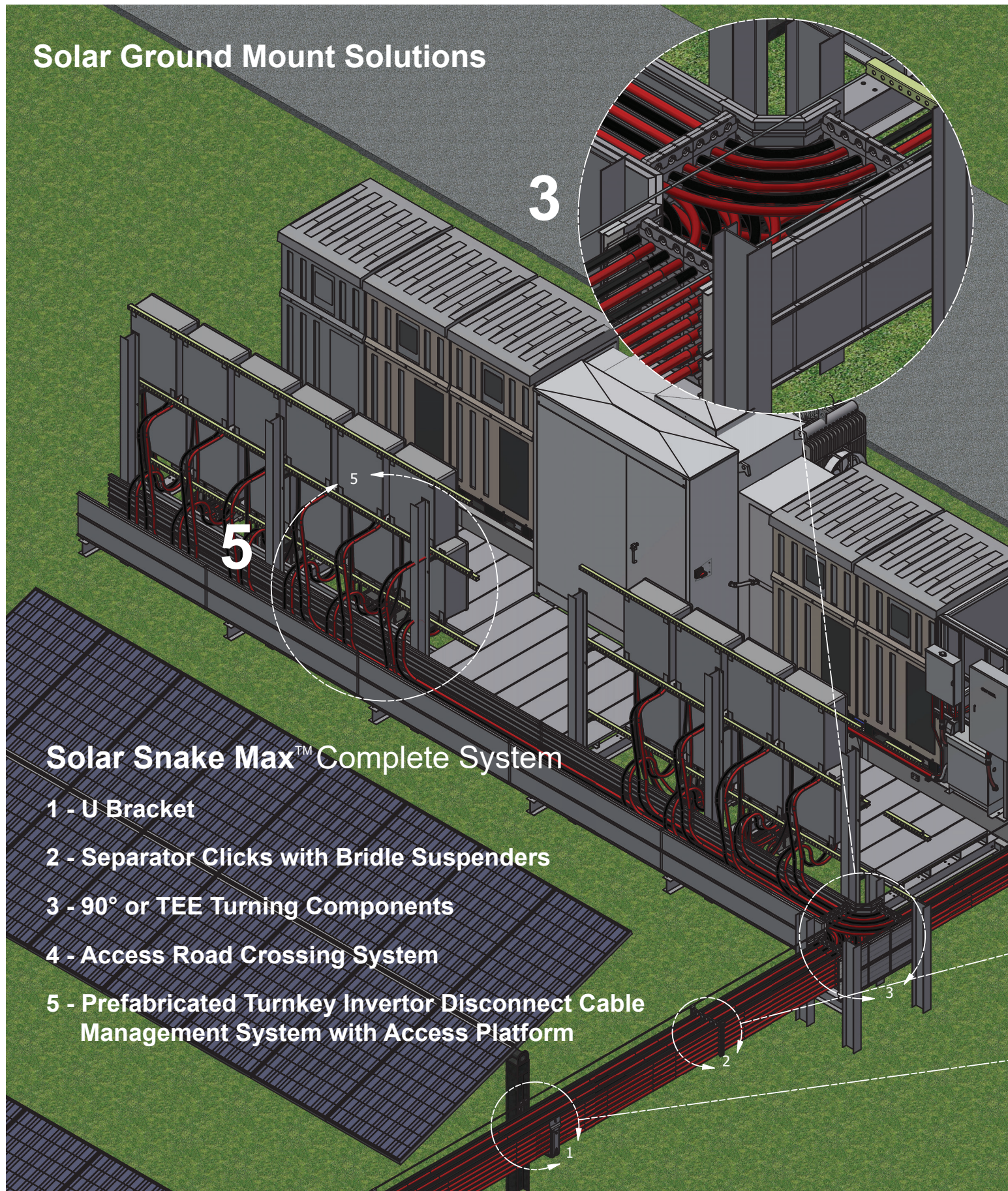
### **Solar Snake Max™ for Overhead Transportation of Auxiliary and Communications Circuits**

- Our patented Solar Snake Max messenger wire systems can be carried across BESS containers via ISO 1161 corner casting attachments
- Utilizing the ISO 1161 corner casting as an attachment point means no penetration or fastening to the BESS is required
- All of the benefits of Solar Snake Max including Free Air cable separation can be applied
- Compatible with multi-conductor branch circuit feeder cable and IPC/Trunk Bus applications





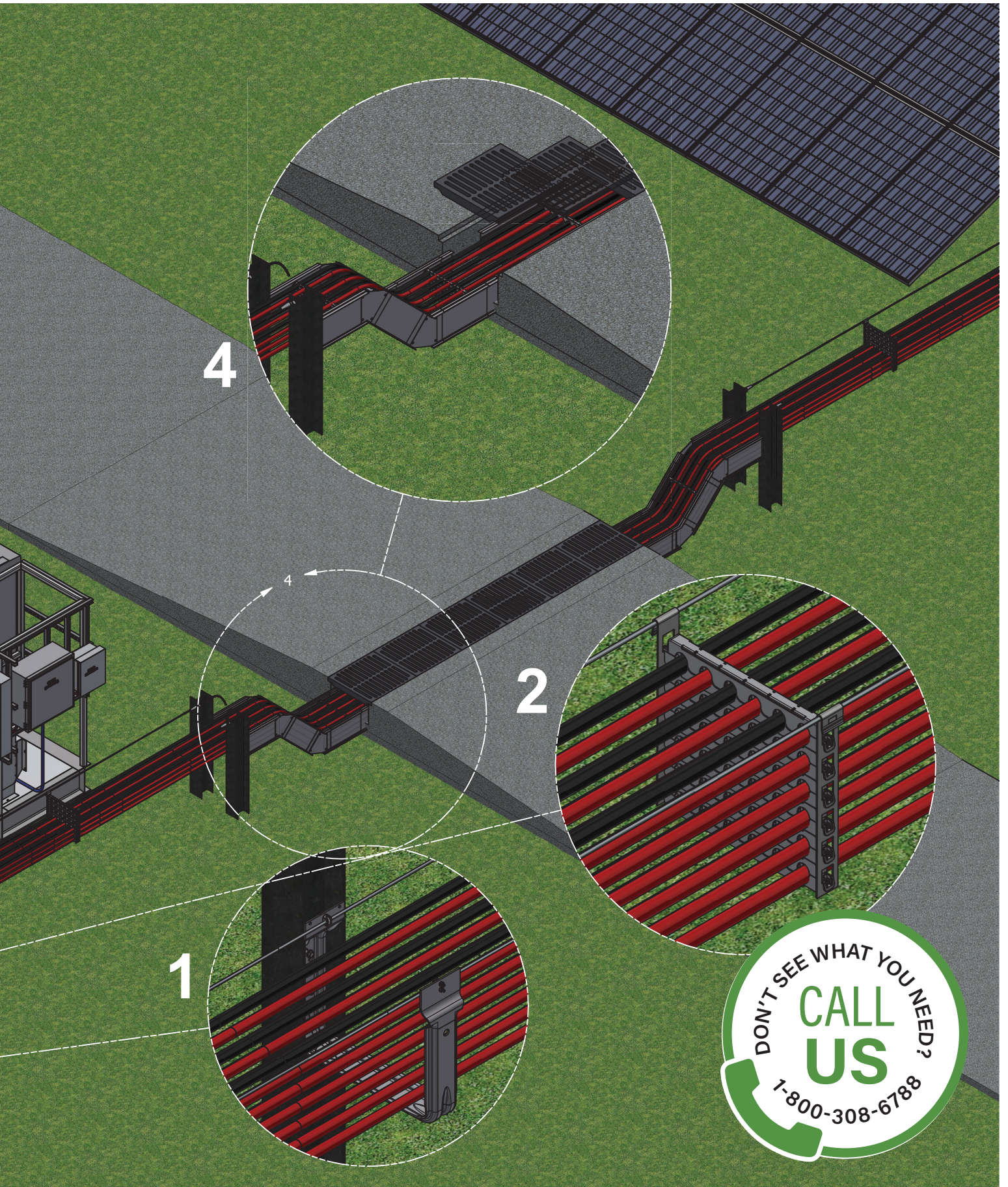
## Solar Ground Mount Solutions



### Solar Snake Max™ Complete System

- 1 - U Bracket
- 2 - Separator Clicks with Bridle Suspenders
- 3 - 90° or TEE Turning Components
- 4 - Access Road Crossing System
- 5 - Prefabricated Turnkey Inverter Disconnect Cable Management System with Access Platform

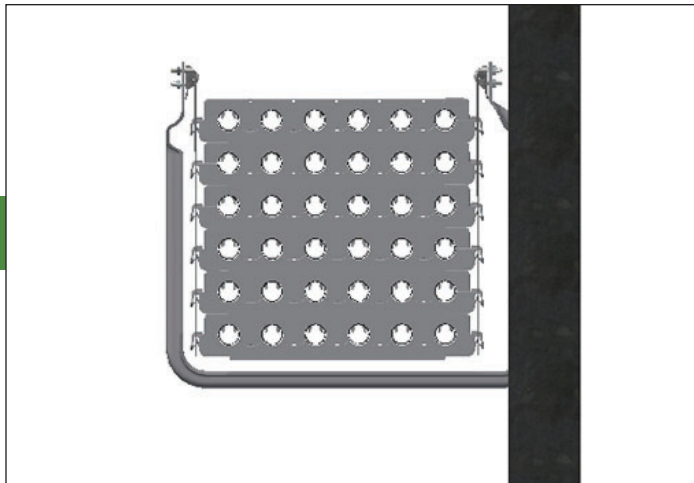
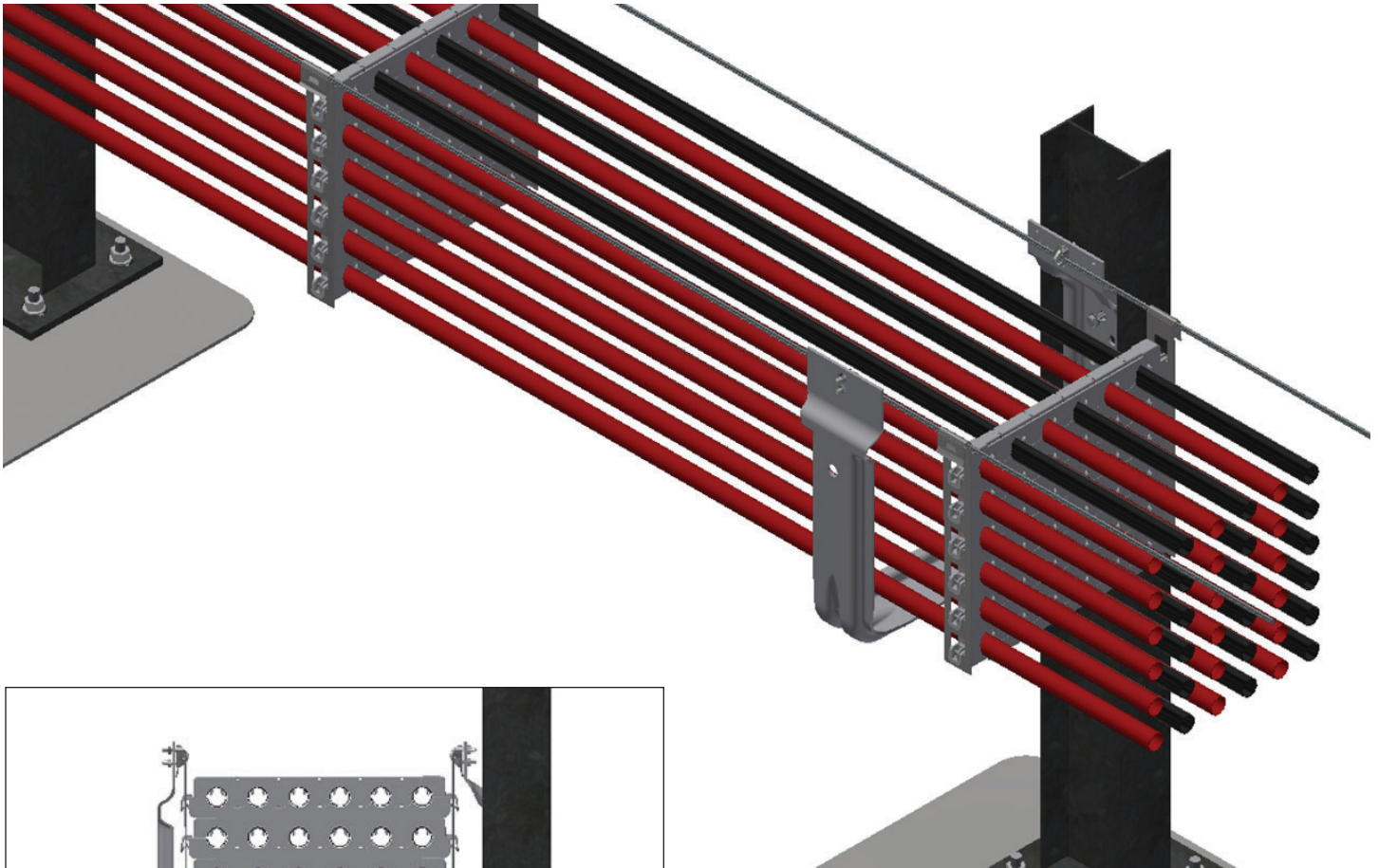






## Solar Snake Max™

### Ground Mount Solutions - Dual Messenger Wire



#### Solar Snake Max™

Solar Snake Max is the revolutionary solar cable management system that manages cables 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 310.17 compliant cable separation which allows the cables to operate more efficiently to yield up to 30-watt hours per meter more energy far surpassing that of bundled or trenched cables. The above ground design also allows for easy installation, operation and maintenance.

#### Dual Messenger Wire System Benefits:

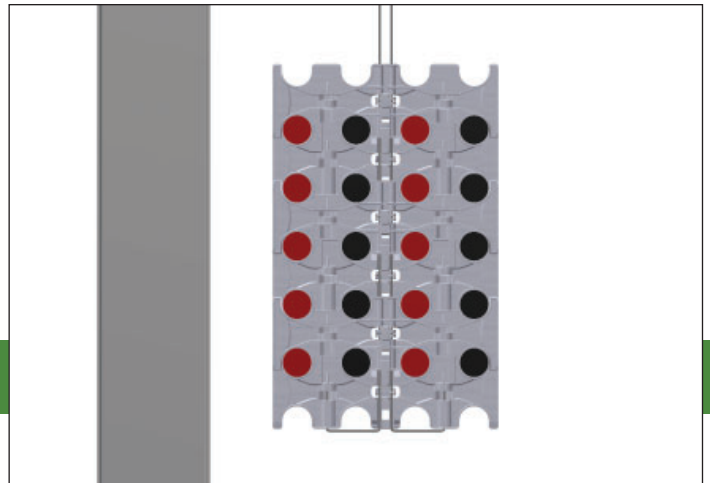
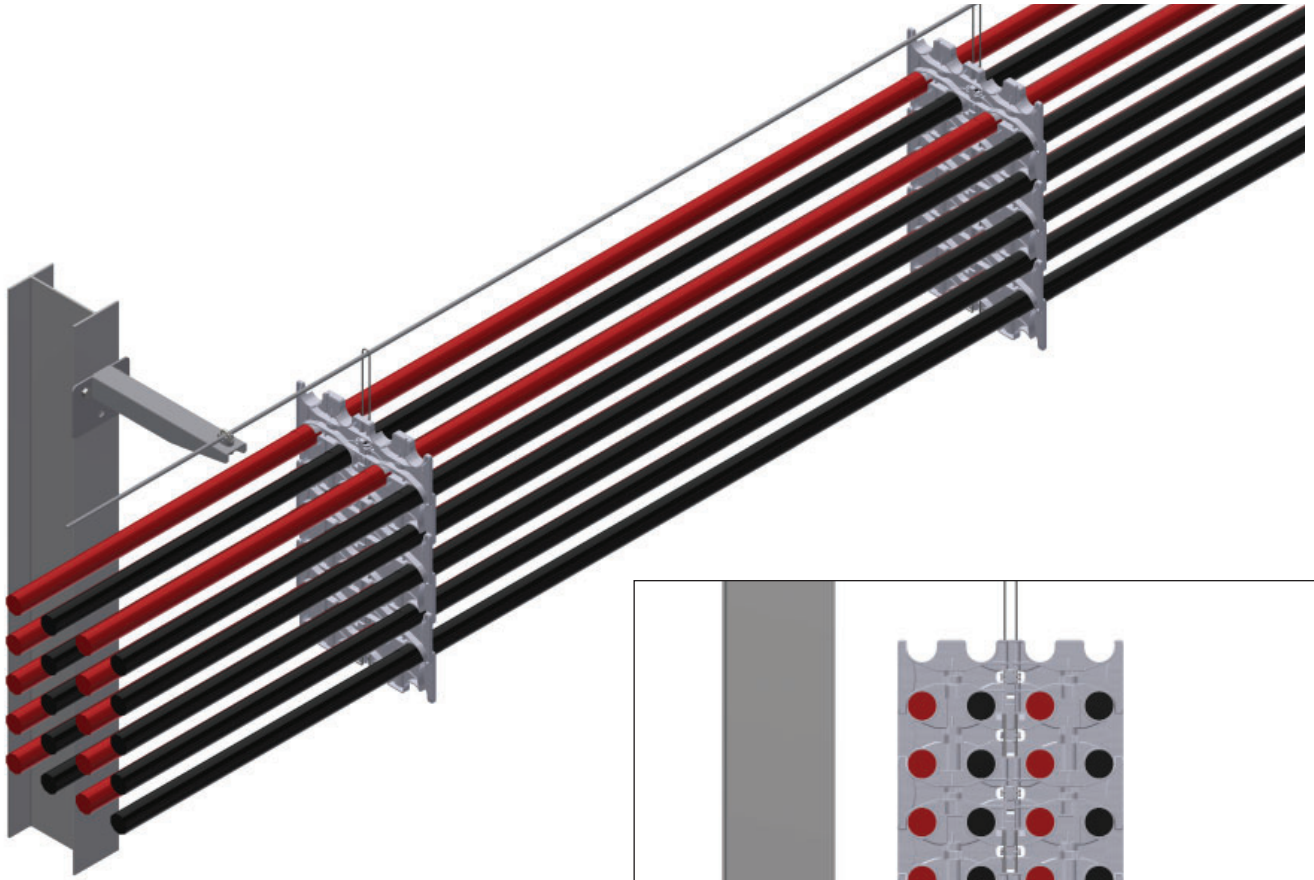
- Maintains NEC 310.17 compliant cable separation which can yield up to 30-watt hours per meter more energy than bundled or trenched cables
- No trenching for safe installation, operation and maintenance
- Free Air rating of cables saves on material costs
- Easy snap together components require no field fabrication
- Accommodates cables up to 1250 Kcmil
- Mounts to any style of vertical pilings or poles
- Install in any elevation or terrain
- Insulation Piercing Connector (IPC) compatible

Messenger wire may be used as an Equipment Grounding Conductor (EGC) when specified in accordance with NEC Article 250.



## Solar Snake Max™

### Ground Mount Solutions - Single Messenger Wire



#### Single Messenger Wire System Benefits:

- Maintains NEC 310.17 compliant cable separation which can yield up to 30-watt hours per meter more energy than bundled or trenched cables
- No trenching for safe installation, operation and maintenance
- Free Air rating of cables saves on material costs
- Easy snap together components require no field fabrication
- Accommodates cables up to 1250 Kcmil
- Open and adjustable click system can accommodate a variety of cable sizes even in the same tier
- Install in any elevation or terrain
- In stock and ready to ship

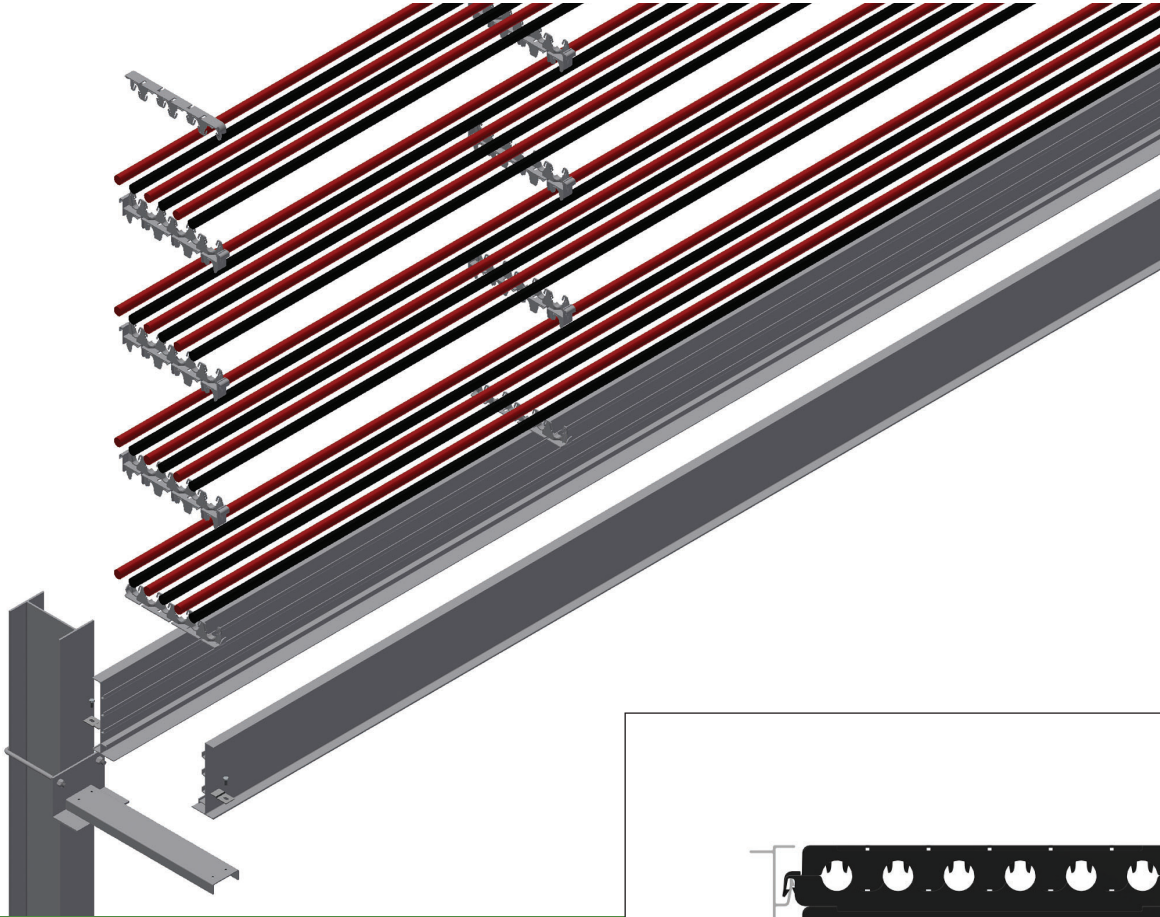
Messenger wire may be used as an Equipment Grounding Conductor (EGC) when specified in accordance with NEC Article 250.



#### Snake-Loc Cable Hanger

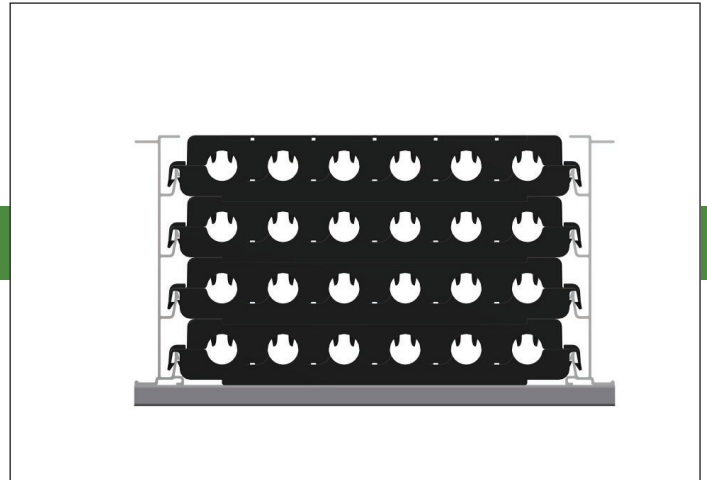
Dual pocket cable hanger for messenger wire securely locks in place.  
Available in 3", 5" and 8" sizes.

## Solar Snake Max™ Ground Mount Solutions - Hard Rail



### Hard Rail System Benefits:

- Maintains NEC 310.17 compliant cable separation which can yield up to 30-watt hours per meter more energy than bundled or trenched cables
- No trenching for safe installation, operation and maintenance
- Free Air rating of cables saves on material costs
- Easy snap together components require no field fabrication
- Accommodates cables up to 1250 Kcmil
- Mounts to any style of vertical pilings or poles
- Install in any elevation or terrain
- Insulation-Piercing Connector (IPC) compatible
- Ideal solution for floating solar arrays too!

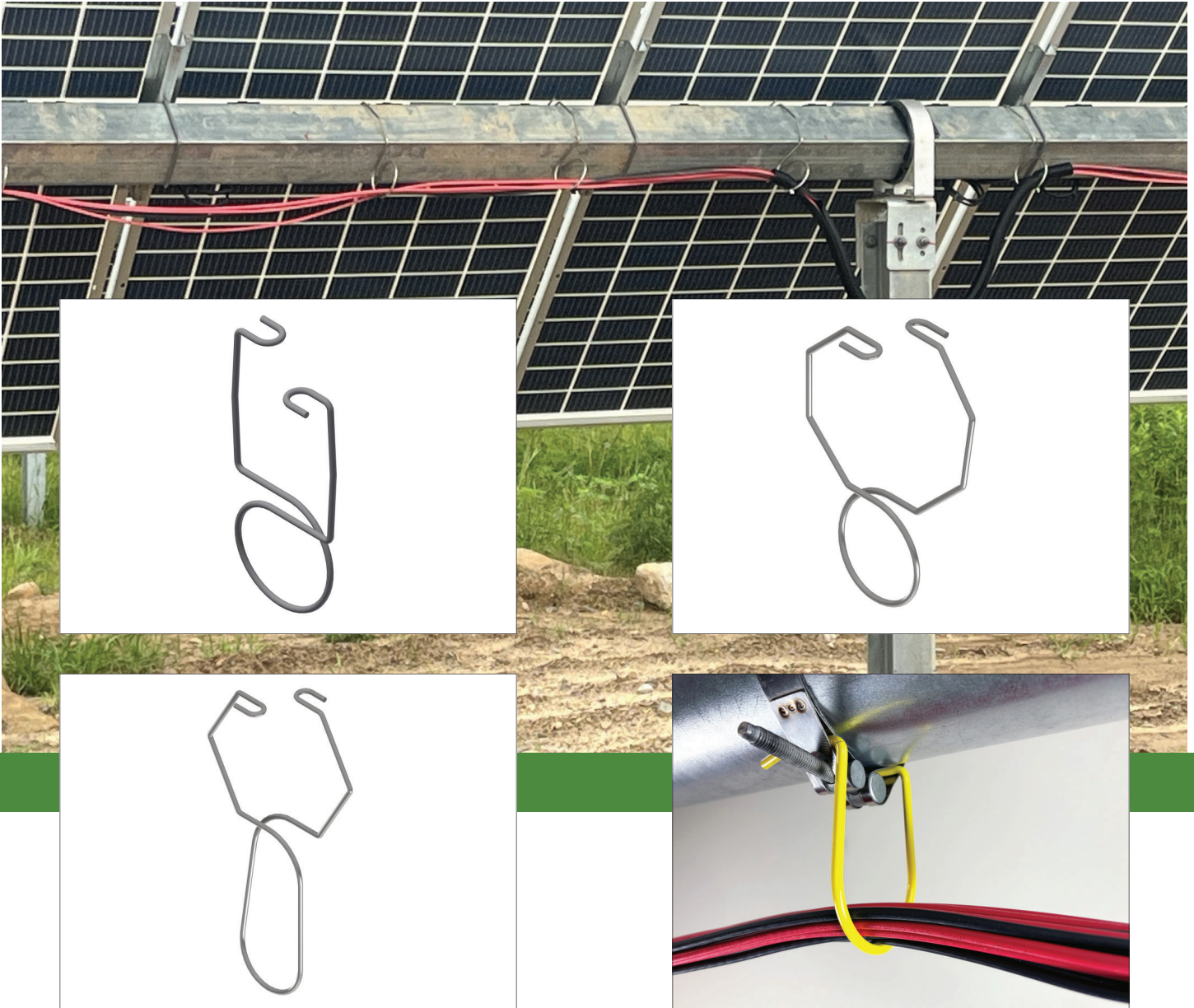


### Solar Snake Max™ - Hard Rail System

Uses the same Solar Snake Max Clicks 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 Torque Tube Cable Hangers for Trackers



Quick snap-on torque tube hanger with a single pocket for cable management.

- Available in circular, square, hexagon, and octagon designs
- Offered in hot-dipped galvanized, stainless steel, or powder-coated finishes
- Multiple sizes available to meet customer specifications



## ROOF MOUNT, GROUND MOUNT AND CARPORT SOLUTIONS



### Solar Snake Tray® for Roof Mount, Ground Mount and Carport Solutions

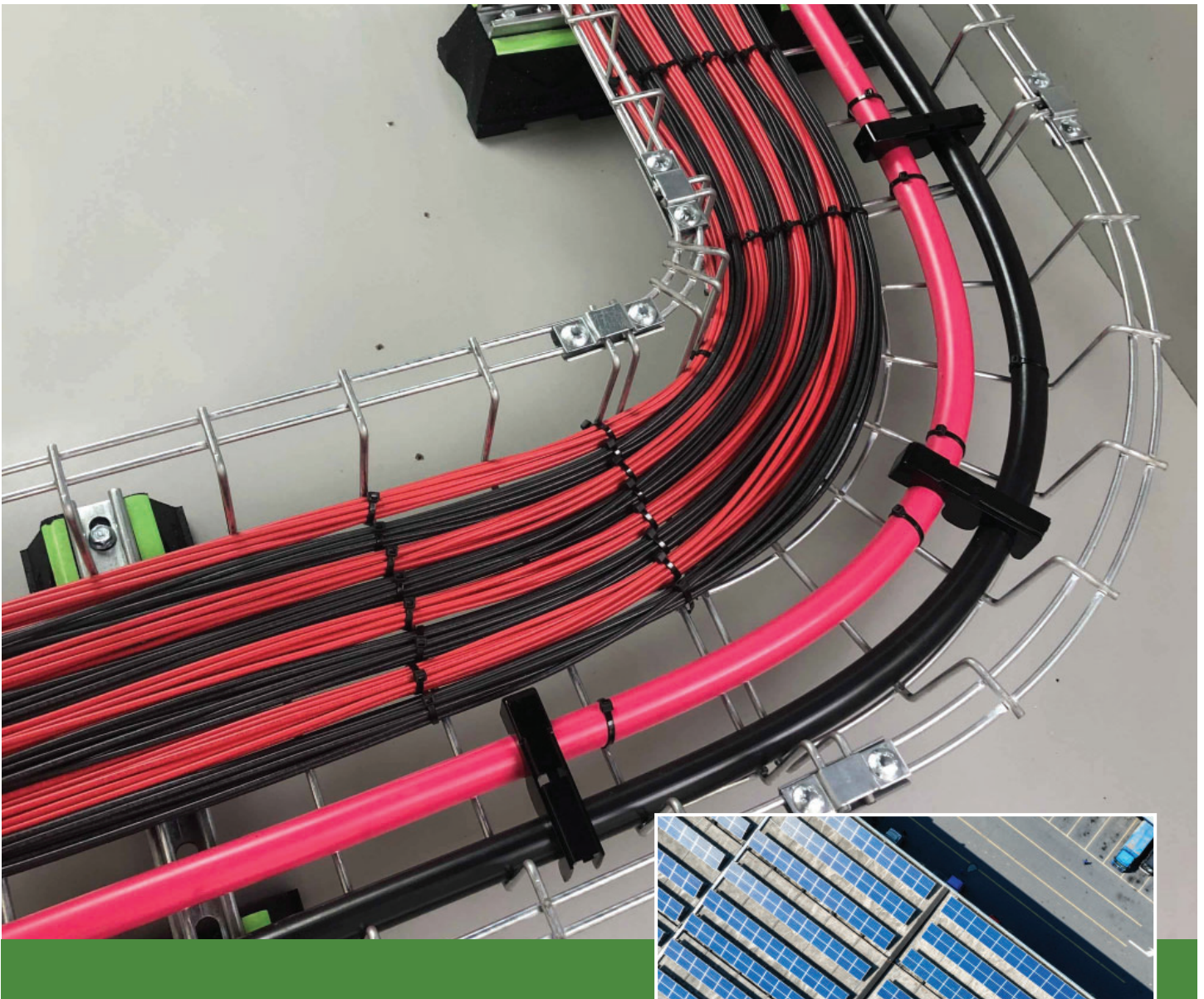
The world's only weatherproof, hand bendable cable conveyance that quickly and securely carries DC circuitry from solar panels to their terminations. Change directions easily by bending Solar Snake Tray with your own two hands.

#### Benefits:

- Hand bendable to go around any obstacle
- 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 outdoor cable installation, while securing and protecting the cables from hurricane force winds over 120 mph
- Snap on cable tray covers are available
- Available in Powder Coat or Stainless Steel for climate specific applications



## ROOF MOUNT AND BROWNFIELD SOLUTIONS



### **Solar Mega Snake®** for Roof Mount and Brownfields

#### **Pre-Fabricated Cable Management System**

##### **Benefits:**

- Pre-fabricated straights, turns, Tees and crossings
- Built-in mounting rail for attaching accessories including combiner boxes
- Variety of mounting options to accommodate any type of roof or ground mount installation
- Nests together for economical shipping and easy material handling
- Easy to install cable tray covers available
- Available in Powder Coat or Stainless Steel for climate specific applications

## 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

## Aluminum Cable Tray®



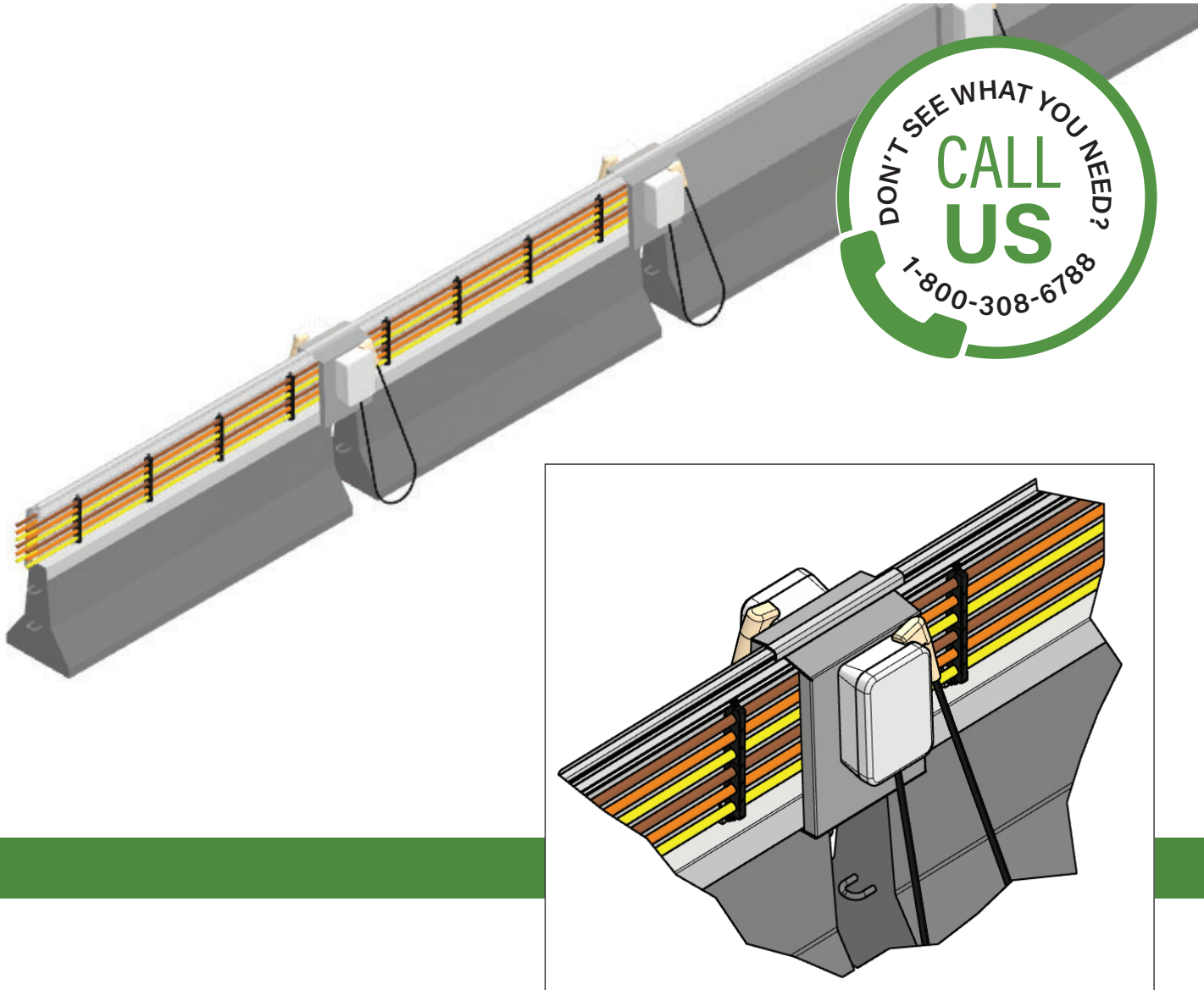
Snake Tray Aluminum Cable Tray® is lightweight for easier installation while offering a high loading capacity to manage large cable runs. Components are easy to attach with our quick connection system.

### Benefits:

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



## Solar Snake Max™ for EV Charging Stations

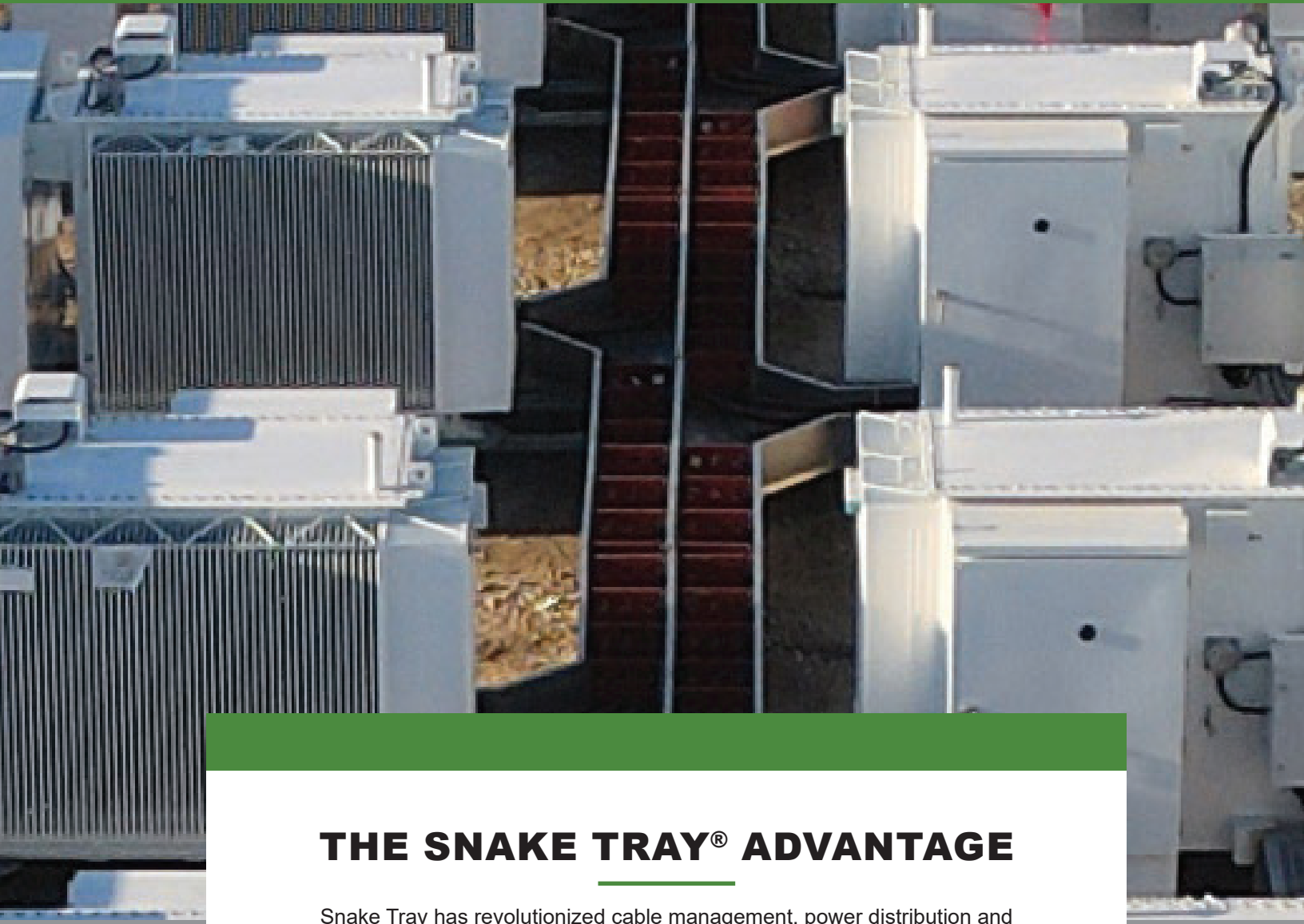


The versatile Solar Snake Max Clicks can be used to convey power cables at EV charging stations. The clicks maintain NEC 310.17 compliant cable separation to allow the cables to operate more efficiently. No derating of cables required saves on material costs. Can manage cables up to 1250 Kcmil.

### Benefits:

- Maintains NEC 310.17 compliant cable separation which allows cables to operate more efficiently
- No trenching for safe installation, operation and maintenance
- No derating of cable to save on material costs
- Easy snap together components require no field fabrication
- Accommodates cables up to 1250 Kcmil





## 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.

**Don't see what you need?** Snake Tray has the engineering know how and manufacturing skills to custom design a solution for you.

**Contact our team on 800-308-6788 to discuss your project.**



Snake Tray®  
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T: 800-308-6788 | 631-674-0004  
[www.snaketray.com](http://www.snaketray.com) | MADE IN USA

Document No. MKTG-0003 | Jan 2026 | © 2026 Snake Tray

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