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Questions to Ask When Scoping Out Your Next Solar Design

Procure everything you need in advance and plan with confidence for that upcoming solar installation project.



a PennEngineering® Company

Point #1: Are all of my parts available?

While a simple question, it's important to determine part availability at the onset of any solar project. In recent years, supply chain issues have stalled many solar projects—hindering timelines and hurting profitability.



Solar Project Part Checklist

Array

- Solar panel
- Racking
 - South facing
 - Tracker system
- MC4 connectors
- Wire management
 - Cable clips on back of modules
 - Wire hangers
 - Torque tube hanger
 - Zip ties
 - SunBundlers
 - SunWrap / Split tubing
 - Ground lug to conduit/messenger wire system
- Bonding jumpers for between array sections

Leaving Array

- AC/DC wire
- Ground wire from the ground lug
- Conduit for AC/DC trenches
- Weatherheads
- Unistrut channels to hold inverters or combiners
- Messenger wire system & wire hangers
- Flex conduit holding DC Homeruns to Inverters or DC Combiner
- Inverter
- Combiners / DC disconnects
- Cordgrips entering and leaving inverters/combiners

Equipment Pad

- Inverter
- Switchgear
- Tracker Motor Panelboard & Control Panel
- Cordgrips entering and leaving inverters/combiners
- Unistrut to hold all equipment
- Weather system and production recorder for array
- Ground Rods / Grounding Ring

Other Equipment & Accessories

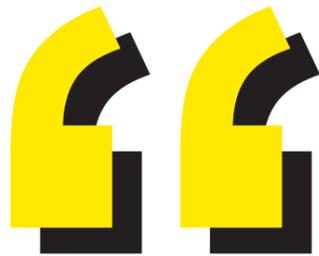
- Transformer to utility interconnection
- DAS (Data Acquisition System)
- Network enclosures
- Property surveillance

Point #2: Are the parts I need manufactured in North America?

Many solar power component providers don't prioritize local manufacturing or keep North America-based inventory. While this may help their bottom line, it's rarely beneficial for you. Heyco prioritizes stateside manufacturing to ensure you have shorter lead times and faster delivery. Furthermore, offshore warehouses and manufacturers may not have the same standards and processes which can impact the accuracy and reliability of your solar components.

Helped Out in a Pinch

When SunRun, one of the nation's largest residential installers reached out for assistance, we helped get them exactly what they needed.



“The Heyco staff promptly helped us figure out a spec sheet issue with an AHJ Inspector. They're a more than caring staff with prompt answers to help out when you're in a pinch.”

— Matthew Tompkins, SunRun

Point #3: Are my parts compatible?

Solar panel manufacturers are constantly changing their product lines. These modifications can cause major compatibility issues if you're not using best-in-class wire management clips and other solar components.

Ideally, you know weeks (or months) in advance what panel manufacturer and model will be used so plan ahead. Make sure there is a compatible wire management solution for your project.

Here at Heyco, we quickly manufacture custom parts that help EPCs adapt to your changing market needs.

- Robust “double-compression” design securely holds up to two (2) cables from .20” (5,1 mm) to .30” (7,6 mm) in diameter
- May be used wherever single or multiple cable managements are needed
- Smooth clip edges prevent damage to cable insulation
- Locking tabs securely fasten clips to module extrusions, or other panels
- Generous lead-in for installation without tools.
- Screwdriver slot for easy removal or movement of clips if necessary
- Neatly dresses cables on PV panel frames or along mounting channels

[See the Clip](#)



See How Brandan Sirrine (the Solar Goat) uses the SunRunner® Cable Clip

Point #4: Are my parts durable and covered by warranty?

There's nothing more frustrating than finishing a solar project and having to spend time and energy coming back to fix problems. Unfortunately, too many installers settle for makeshift solutions that become brittle or don't stand the test of time against the elements. When scoping out your solar project needs, ensure your parts are durable and covered by warranty.



Heyco SunRunner Short Flange

- Attaches to newer modules with smaller frames
- Minimum flange depth requirement of only 10 mm
- Holds as tight as our popular SunRunner series
- "Double-compression" design securely holds a variety of cables ranging from .199" (5,0 mm) to .315" (7,6 mm) in diameter
- May be used wherever single or multiple cable management is needed
- Smooth clip edges prevent damage to cable insulation
- Locking tabs securely fasten clips to module extrusions, or other panels
- Neatly dresses cables on PV panel frames or along mounting channels
- Constructed from corrosion-resistant 304 stainless steel



Heyco®-Tite Solar Masthead® II Liquid Tight Cordgrips

- Break-thru Skinned-Over glands offer flexibility and a liquid-tight seal around the wire
- IP 68 Rated
- Approved for NEMA 4, 4X, 6 and 6P applications
- Compatible with a wide range of cables including #6AWG, #8AWG, #10AWG and #12AWG
- Integral Sealing Ring ensures a superior seal at the clearance or threaded mounting hole
- Watertight seal for PV module output leads to inverters
- UV-resistant nylon construction with TPE Sealing Gland resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- No disassembly required
- Generous wrenching flats for ease of assembly



Heyco® SunBundler®

- Smooth vinyl jacketing prevents damage to installation cable insulation
- Easy field installation using standard pliers or wire cutters
- Certified by UL Specification 62275 for indoor and outdoor usage for Type 2 & 2S classifications
- UV protected vinyl jacket provide enhanced durability for solar installation

Point #5: Are my parts decreasing risk?

At their core, installing solar panels is about a commitment to sustainability. That's why the clips, clamps, and parts you use matter. One important element of sustainability is risk management. Consider these two essential questions when evaluating your solar project's risk:

- Can these parts and products be assembled in a safe environment?
- If a clip or clamp breaks, will it cause additional damage to the unit?

Heyco clips and clamps can be installed on the ground in a safe environment which reduces risk of injury for your crew.



See the Heyco Difference Firsthand

Cable ties often fail under the weight of the cables over time and are likely not covered under warranty.



Cable Ties



SunBundlers

Using Heyco SunBundlers mitigate cable management issues and are covered under a 20 year warranty.

Point #6: Are my parts saving time and money?



Reminder: Begin every solar project with the end in mind. Searching for products last minute is not cost-effective or in the best interest of all involved. Save time and stay connected with these Heyco solar power components

[View the Product Line](#)



In order to save time and money, select solar products that allow your installation team to:

- Find and receive everything they need—when they need it
- Expedite the work because it's done safely on the ground
- Utilize clips and clamps that are easy to assemble
- Install once with confidence knowing they will last

The success of your solar project comes down to sustainability and profitability. That's why we strive to replace standard solutions with intentionally-crafted clips and clamps built for easy installation and long-term durability.



a **PennEngineering**[®] Company

Heyco Makes the Procurement Process Simple and Easy

Ensure cable management is checked off your list for your next solar design project.

[Contact the Heyco team today!](#)

[Get Started](#)

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