

# SOLAR

## COMPONENTS

### ANCHOR PRODUCTS

Anchor Products is changing the standard for solar roofing installation, the company says. The U-Anchor attachment's advanced technology provides a faster, simpler, and smarter way to install solar roofing systems. Anchor Products offers an alternative to heavy ballasted installations that will increase the productivity of installers by saving labor and improving reliability, says the company.

[www.anchorcorp.com](http://www.anchorcorp.com)



### BUFFALO TURBINE

Buffalo Turbine has been manufacturing turbine style blowers since 1945. The blowers are manufactured using high-precision machined components resulting in long-lasting dependable products. These turbine units are being used worldwide in a variety of applications. Snow removal, particularly snow removal off solar panels, has become a popular application for the company's equipment.

[www.buffaloturbine.com](http://www.buffaloturbine.com)



### CAMERON WIRE & CABLE

Cameron Wire & Cable, located in Little Rock, Arkansas, is a leader in the renewables industry, supplying high per-



formance 2kV "UL 4703" (Alum & Copper) and MV cables in bulk and cut-to-length and assembled accordingly.

[www.cameronwire.com](http://www.cameronwire.com)

### CTI SENSORS

CTI Sensors offers single and dual axis, analog and digital inclinometers in robust compact enclosures with low power consumption and wide voltage range. The inclinometers are available in fully sealed IP-67 aluminum, ABS plastic, and stainless steel enclosures. CTI Sensors also provides bare board inclinometers in large quantities for integration in industrial products and OEM applications. CTI Sensors Inc. is a U.S.-based company that specializes in design, development, and manufacture of innovative industrial sensing and measurement systems.

[www.ctisensors.com](http://www.ctisensors.com)



### DUPONT

What goes into your solar panels determines what you get out of them—materials matter. DuPont is a leading specialty materials supplier to the solar energy industry, says the company. Key products include Tedlar PVF film, the only backsheet material proven to protect solar panels for 30+ years, and Solamet metallization pastes that help boost the power output of solar panels.

[www.photovoltatics.dupont.com](http://www.photovoltatics.dupont.com)



### EATON

Unlike typical grid-connected AC systems, the available short-circuit current within PV systems is limited, and

the overcurrent protective devices (OCPD) need to operate effectively on low levels of fault current. For this reason, Eaton conducted extensive research and development of PV fuses and circuit breakers that are specifically designed and tested to safely protect PV systems with high DC voltages and low fault currents. More information is available on the company's website.  
[www.eaton.com/solar](http://www.eaton.com/solar)



## HEILIND ELECTRONICS

Heilind Electronics is a leading distributor of balance of systems products to the PV solar market. Its warehouses have a large inventory of PV connectors, grounding products, solar labels, and a wide variety of wire management devices. The company's offering includes products from leading suppliers such as Amphenol, Heyco, HellermanTyton, Multi-Contact, TE Connectivity, Wiley, and more.  
[www.heilind.com](http://www.heilind.com)

## ILSCO

ILSCO is a component manufacturer to the renewable energy industry. Among a multitude of product solutions the company has available, ILSCO supplies an exclusive green Viridium-plated series of connectors that aid in visual inspection and designate the installed ground points.  
[www.ilSCO.com](http://www.ilSCO.com)



## MEGGER



Megger, one of the leading manufacturers and suppliers of test equipment and measuring instruments for electrical power applications, now offers the PVM210, a new handheld irradiance meter that aids in locating the most appropriate site to place solar panels. Designed with both the solar detector and meter inside the unit, the PVM210 provides solar/photovoltaic engineers with

a pocket-sized instrument that is said to be easy to use and can be held with just one hand while working on a sloping roof or atop a ladder.  
[www.megger.com](http://www.megger.com)

# WHAT'S IN YOUR LAMINATOR?

**Steinbach**  
 Diaphragms  
 & PTFE



## Choose Quality Steinbach Materials and Lower Your Production Costs!

- EVA-resistant Lamibran® Diaphragm
- Top quality solid silicone diaphragms
- Premium PTFE-coated release sheet and transport belt materials.

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[SmartechOnline.com](http://SmartechOnline.com)  
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## MUDGE FASTENERS

The DURA-CON Power Lag from Mudge Fasteners showed no corrosion in tests to 1500 salt spray hours when used with aluminum components. The integrated washer head increases bearing surface, the serrated flange resists loosening due to vibration, and the type 17 tip allows easy starts and quick drives.



[www.mudgefasteners.com](http://www.mudgefasteners.com)

## MULTI-CONTACT USA

The original MC4 connector by Multi-Contact has been installed over one billion times worldwide, reaching an installed production capacity of over 100 GW, says the company. The Multi-Contact solutions portfolio offers the right fit for field-assembled, pre-assembled, branch, panel-mount, and AC PV connectors.

[www.multi-contact.com](http://www.multi-contact.com)



## PHOENIX CONTACT



Phoenix Contact's EMpro energy meters offer scalable functionality in small, low-cost packages. EMpro energy meters collect energy information from the AC circuits common in solar electricity installations. EMpro meters are listed as Eligible System Performance Meters with the joint California Public Utility Commission/California Energy Commission's Go Solar California! initiative.

[www.phoenixcontact.com](http://www.phoenixcontact.com)

## PMC INDUSTRIES

AceClamp manufactures a Rack-less Solar Kit system that eliminates the need for all types of rail systems. By eliminating racking, project costs are drastically reduced. AceClamp and Solar Kits come fully assembled for easy installation.

[www.pmcind.com](http://www.pmcind.com)



## PRIORITY WIRE & CABLE

Priority Wire & Cable is a supplier of electrical wire and cable to the North American market with 12 distribution centers. The company is a leader in the aluminum PV Cable market supplying 8 AWG up thru 1000 MCM 1/2KV PV cable as well as Cu string wire.

[www.prioritywire.com](http://www.prioritywire.com)



## QUICK MOUNT PV

Quick Mount PV's Accessory Frame Bracket offers fast, on-the-ground installation for mounting module level electronics directly to the module frame, saving time and money, says the company. The Accessory Frame Bracket is extremely versatile and works with Quick Mount PV's Quick Rack rail-free mounting system, as well as rail-based racking systems, ballasted, and ground-mounted systems.

[www.quickmountpv.com](http://www.quickmountpv.com)



## RENNSTEIG TOOLS

The Rennsteig Crimp System Tool brings it all together, says the company, and is designed to fabricate PV Cables and adaptors. Rennsteig offers interchangeable die sets and locators for all major terminal manufacturers like Wieland, MC3, MC4, Tyco, Amphenol, Radox, SMK, Hosiden, and many others. Each type and size of terminal needs its own crimp. Just squeezing it isn't enough—you have to get exactly the right dimension crimp if you want a perfect and secured connection, says the company.

[www.rennsteig.us](http://www.rennsteig.us)



## ROOF TECH

Roof Tech features U set Solar, a patented PV frame that has a unique frame design that makes heavy mounting systems a thing of the past, the company says. U set Solar offers efficient installation with fewer parts, to save time and reduce shipping costs. Roof Tech is currently offering exclusive partnerships to PV manufacturers in the



U.S. who are interested in adapting their products to the U set Solar design. By streamlining product design and improving ease of use for the end customer, the company said it is confident such partnerships will increase sales and profitability.  
[www.roof-tech.us](http://www.roof-tech.us)

## SEAWARD GROUP USA

Fast and easy I-V curve tracing is available with the new PV210 from Seaward. Problems can be quickly diagnosed on under-performing PV systems by carrying out IEC62446 and 61829 tests. Downloads can be made instantly to PVMobile app to display color I-V curves. The Solarlink kit includes Solar Survey 200R meter for simultaneous irradiance and temperature measurements.  
[www.seaward-groupusa.com](http://www.seaward-groupusa.com)



## SMARTTECH

Smartech supplies North America with Steinbach silicone diaphragms from Germany. Steinbach's Lamibrans diaphragm doesn't deteriorate from EVA-outgassing, greatly increasing its longevity. Steinbach's premium PTFE transport belts and release sheets are available in both high-PTFE content as well as anti-static coatings in a variety of thicknesses.  
[www.SmartechOnline.com](http://www.SmartechOnline.com)



## SNAKE TRAY

Snake Tray manufactures a series of cable management systems for utility and commercial grade installations. Snake Tray is hand-bendable and includes integrated mounting points for ease of installation. Snake Tray nests together for low-cost shipping and easy material handling. The company's new Solar Ice Guard is said to be an innovative way to prevent injuries from falling ice and snow in public spaces. All products are made in the U.S. and come in several finishes to accommodate outdoor installations.  
[www.snake-tray.com](http://www.snake-tray.com)



## SOLAR-LOG

Solar-Log & GE Meter is a cellular-based, revenue grade, solar PV monitoring device that is said to be simple to install and easy to use. It has a compact design with proven Solar-Log technology and GE's I-210+ residential meter. Options include consumption monitoring, inverter direct, power management, and weather station. It includes five years of cellular data plan and Solar-Log WEB monitoring.  
[www.solar-log.net](http://www.solar-log.net)



## SOUTHWIRE COMPANY

Southwire's photovoltaic wire (2000 volt XLP – copper) is nationally recognized and is said to be highly trusted by the market leaders in the solar industry. It is manufactured using stranded copper conductors with a single layer XLP construction, and it carries the UL Subject 4703 specifications. It is suitable for use in solar power applications per NEC Article 690, rated 90°C for exposed or concealed wiring in wet or dry locations, and is rated for direct burial.  
[www.southwire.com](http://www.southwire.com)



## STANLEY ENGINEERED FASTENING

Stanley Engineered Fastening provides proven fastening solutions for structural joint locations throughout active solar sites around the world. The company's products range from self-locking nuts offered by Spirallock to POP Avdel selections varying from ultra-high-shear-strength fasteners such as Neobolt or Avbolt to multigrip blind fasteners like Avinox XT.  
[www.stanleyengineeredfastening.com](http://www.stanleyengineeredfastening.com)



## TEN K SOLAR

The Ten K PV module wires cells in a matrix, providing cell-level shade tolerance, eliminating hot spots, and dramatically reducing losses caused by cell mismatches, says the company. Combining these module attributes with Ten K's DUO system architecture can generate up to 40 percent more energy from solar projects.  
[www.tenk-solar.com](http://www.tenk-solar.com)

