



enerG Focus Feature RACKING SYSTEMS

SCHLETTER

Schletter's all-steel FS Uno ground mount system is now ETL Classified to UL Subject 2703, passing complete mounting system grounding requirements.

The system utilizes a single-post design to reduce installation time and is suitable for most all terrain conditions.



Intertek, the issuing organization of the ETL Mark Classification, engaged in extensive system testing in order to qualify the bonding of the system in its entirety, including all components. Photovoltaic mounting systems sold under the FS Uno and FS Uno-100 model numbers now comply with the standard for safety under UL-Subject-2703. Schletter began producing FS Uno Systems with the ETL Mark at the end of May 2013. www.schletter.us

HATICON SOLAR

Over 6 GW of HatiCon Solar's IBC-compliant solar PV racking solutions have been installed worldwide. The company's ground mount solution can be scaled from small residential installations to utility size solar PV plants. Framed and frameless solar PV modules can be installed in either portrait or landscape orientations. Grading requirements are minimal since the system boasts ± 35 degrees of north-south and ± 8 degrees east-west tool-less adjustment.



The ground mount system has up to 12 inches of vertical onsite adjustability with no cutting or welding required. Universal, adjustable, click style module clamps allow on-the-fly installation and decrease labor costs. Integrated grounding and cable management options are available. Multiple footing options for all types of soil include: galvanized steel driven pile, concrete pour, ballast, helical ground screw, and steel plate. Multiple manufacturing facilities across North America streamline logistics and shorten transit times. www.haticonsolar.com

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DPW SOLAR

DPW Solar is celebrating its 20th anniversary year by expanding its POWER RAIL product family.

The new LD and MD rails are said to offer longer span and cantilever distances for commercial and industrial roof or open structure PV solar mounting. Suitable for span lengths up to eighteen feet, the new rails minimize

penetrations and the need for additional support structures. Similar to other Power Rail mounting solutions, installers will save time and money with integrated grounding, single tool assembly, and the patent pending RAD Lock-in-Place bolt with secure PV module clamping, says the company.

Manufactured with high strength marine grade aluminum, both rails include an integral wiring channel for securing cables, resulting in a professional appearance. In addition, a universal base bracket with integrated grounding clip easily mounts to structural members. www.DPWSolar.com



and module pre-panelization, provide what the company terms an extremely aggressive total installed cost.

With over 80 MW of installed utility capacity in 2012 alone, the Utility Ground Mount is a leading system of choice for fixed-tilt utility scale ground mount projects, says the company. www.unirac.com

RBI SOLAR

RBI Solar Inc. designs, engineers, manufactures, and installs solar mounting systems for large commercial and utility scale projects. As a specialist in ground mount, roof mount, and custom designed specialty solar structures, RBI emphasizes providing best-in-class racking systems and project management capabilities to serve owners and integrators, the company says. RBI Solar offers a broad range of solar racking systems to support every PV module manufacturer.



RBI provides complete solar mounting solutions to solve virtually any structural mounting challenge, says the company. Services include complete design, signed and sealed drawings for all 50 states, high tech manufacturing, nationwide installation, and end-to-end technical support to help customers solve the toughest challenges in the industry. All of RBI's solar mounting systems come with a 20-year limited warranty.

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UNIRAC

Unirac's Utility Ground Mount system is specifically designed to meet the demands and requirements of the fixed tilt utility market in the U.S. Southwest and similar locations. By designing a system around this very specific portion of the market, the company is able to concentrate on providing the lowest installed cost solution, it says.

A light gauge steel structure provides low material cost, while Unirac innovations around project construction, such as the use of pre-assembled components



SOLAR Mounting Solutions

"AET's systems are well designed and easy to install, but it is outstanding customer service that sets them apart."

-- Matthew Alestra
F.R.E.E. LLC

AETenergy.com

Designed in Detroit



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Leveraging more than 70 years of experience in the commercial design-build specialty structures market, RBI Solar works with its clients to identify the most economical, durable, and robust solution. www.rbisolar.com

SOLSTICE MANUFACTURING

Solstice took a new look at ballasted racking design and created a system that uses one main part for all major functions of the system. The "Solstice support" acts as the ballast tray, wind deflector, and structural support for the module. The simple design allows the system to be manufactured very inexpensively despite being made of 100 percent marine grade aluminum. This also leads to a simpler, faster installation with just three main steps.



For these reasons, developers of PV projects on landfills and brownfields have taken to Solstice as the most elegant, cost-effective method for installing solar on distressed properties, the company says. However, they utilize the same design on the roof with the same results: low cost, fast install.

Since the design is so simple, it can be manufactured anywhere to take advantage of local manufacturing

FS Uno™ —
Now ETL Classified



The most reliable choice for steel ground mount systems is now ETL Classified.



Schletter US (520) 289-8700 | **Schletter Canada** (519) 946-3800



incentives and made to any custom tilt or spacing. This flexibility has recently allowed Solstice to become the preferred mounting system of Puerto Rico; it is rated for 145 mph wind zones and is manufactured right outside San Juan. www.solsticemanufacturing.com

SST SOLAR

SST Solar USA Inc. specializes in PV mounting systems, free field projects, flat/on-roof solutions, and building-integrated photovoltaic.

SST creates long-term solutions based on innovative



ideas for residential and commercial customers, the company says. It applies its comprehensive knowledge of products and production methods to all aspects of design and development.

The company's comprehensive customer service program starts with an objective up-front consultation and incorporates everything from innovative solutions to cost-efficient automated production and assembly group manufacturing to customized packing and shipping.

Support and technical assistance are provided by offices in Sarasota, Florida, and Scottsdale, Arizona. SST Solar's goals are to create new jobs, develop new high-efficient solar solutions, and expand the market in the U.S. www.sst-solar.us

CREOTECC

With over 1 GW installed worldwide, Creotecc clamp-free mounting solutions for utility, commercial, and residential applications are engineered to provide superior module retention without the use of clamps. Faster installation, reduced stress on modules, and superior aesthetics are the hallmarks of its systems, the company says.

With no clamps to fasten, modules are placed quickly and easily into insertion rails and can be mounted from underneath the array on ground and flat roof sys-



tems. Resting securely in place without clamps, modules are able to contract and expand naturally, minimizing the risk of micro-cracks and early module degradation. Finally, straight rows are automatically produced by the insertion rail, creating a continuous, even surface and a gap-free appearance.

Creotecc Solar Mounting Systems are made in the U.S. P.E. certified, UL 2703-recognized, and covered by a 10-year product warranty. www.creotecc.us

RENUSOL

The Renusol VS pitched roof system is said to be quick and easy to use with minimal parts inventory. All parts are pre-assembled. End and mid-clamps conveniently adjust to accommodate panels ranging from 30 to 50 mm. Since the Renusol VS is adjustable, one system can be used for a variety of panels without a lot of inventory. L-feet insert anywhere to minimize installation time and complexity. Fasten-free splice connectors make for quick rail connection and also feature a thermal expansion preset so the system can easily flex with weather conditions.



High strength-to-weight rail design keeps costs low while allowing for long spans up to 12 feet, says the company. The Renusol VS rail, approved for side mounting of WEEBs and grounding, saves valuable real estate on the top of the array and gives a cleaner look to the final solar installation. www.renusolamerica.com

SOLAR FLEXRACK

Solar FlexRack provides advanced engineered integrated products and services to EPCs and energy companies in North America looking to optimize their efforts and lower balance of system costs.

Solar FlexRack offers several innovative PV mounting systems that drastically reduce installation time, says the company. In addition to ground mounts, Solar FlexRack



has roof models, as well as single-axis tracker units. Additional products and services are available to assist on any commercial solar project, including mounting posts and solar panel clips engineered for ease of use and speedy installation.

www.SolarFlexRack.com

EVEREST SOLAR

Everest Solar's D Dome commercial flat roof system features low ballast, low costs, and few parts to assemble. The unique east/west module orientation significantly increases energy production compared to traditional south facing arrays in the same roof space, says the company. Companies looking to get a competitive advantage on their next project can get the D Dome Energy Analysis White Paper at the Everest Solar web site.

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Simpler.Faster.Better
Solar PV Mounting Solutions
www.haticonsolar.com



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Everest Solar is the U.S. division of K2 Systems, one of Europe's market leaders with more than 3 GW installed. The company offers proven product solutions and innovative designs resulting in cost competitive racking systems and dedicated support, it says. Wind tunnel testing and advanced structural and electrical validation ensure permitting ease.

www.everest-solarsystems.com

LEGRAND

FAS Rack from Legrand is said to reduce on-site racking labor up to 75 percent, with pre-fabricated components that are easy to ship and quick to install.



The company's goal is to market product lines that help reduce installation time at the jobsite, and Legrand says FAS Rack has exceeded its customers' expectations. To date, FAS Rack has been used on solar arrays totaling more than 60 MW throughout North America.

FAS Rack is pre-engineered for each project, eliminating on-site engineering adjustments, and can be installed with two-man crews using simple tools. All grid tables are factory-welded to eliminate "stick built" construction methods. Plus, all hardware is RoHS compliant, so the entire system contributes to LEED points.

www.legrand.us

AP ALTERNATIVES

AP Alternatives' modular solar racking is engineered to reduce costs and installation time. Consisting of two main components—the anchor post and the pre-panelized rack—the system is very cost effective, the company says.



AP Alternatives has a background in high speed production automation for the automotive industry. Its research and development team utilized this background and works to develop newer and more efficient ways to manufacture and install solar racking.



DPW | SOLAR



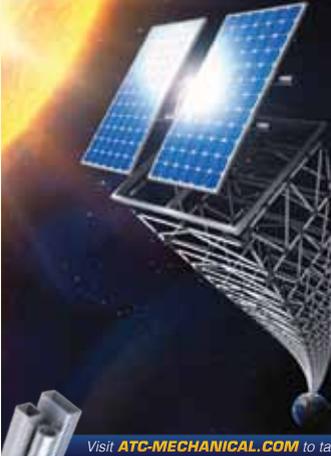
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APPLIED ENERGY TECHNOLOGIES (AET)

Applied Energy Technologies (AET) is a leading global provider of solar mounting solutions. AET designs, engineers, and manufactures solar mounting solutions for any type of solar installation, and focuses on low-cost, high quality products that minimize assembly time.

AET'S Rayport-G utility scale ground mount system has met with strong success in the market in its first



six months of production, says the company. With the system installed at over 50 sites to-date, AET is anticipating huge growth for the remainder of 2013 and beyond. The company is projecting to deploy between 30 to 50 megawatts in its first full year in the market.

The Rayport-G offers installers a light, strong, and streamlined solution that accommodates a high degree of build adjustment. Integrated grounding, along with pre-cut and pre-drilled beams, expedite the installation process, says AET.

www.AETenergy.com

QUICK MOUNT PV

The Quick Groove Comp Mount from Quick Mount PV is designed for seamless integration with Zep-compatible solar installations on composition/asphalt shingle roofs. The Quick Groove utilizes Quick Mount PV's patented Elevated Water Seal technology for unmatched long term waterproofing, with an all-aluminum flashing for superior corrosion resistance, and a one-piece integrated flashed mount configuration for ease of installation.



The Elevated Water Seal technology raises the water barrier 0.7 inches off the surface of the flashing and encases the EPDM sealing washer in a cast-aluminum block, isolating the EPDM sealing washer within its protective cavity. The flashing is 0.04 inches thick, which prevents distortion or bending of the flashing edges that can compromise waterproofing against wind-driven rain.

Installation is said to be fast and simple, requiring only a single bolt, with all stainless steel hardware included. Quick Mount PV is proud to manufacture the Quick Groove Comp Mount in the U.S.

www.quickmountpv.com

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