

Unirac Large Array (U-LA)

Megawatts of experience



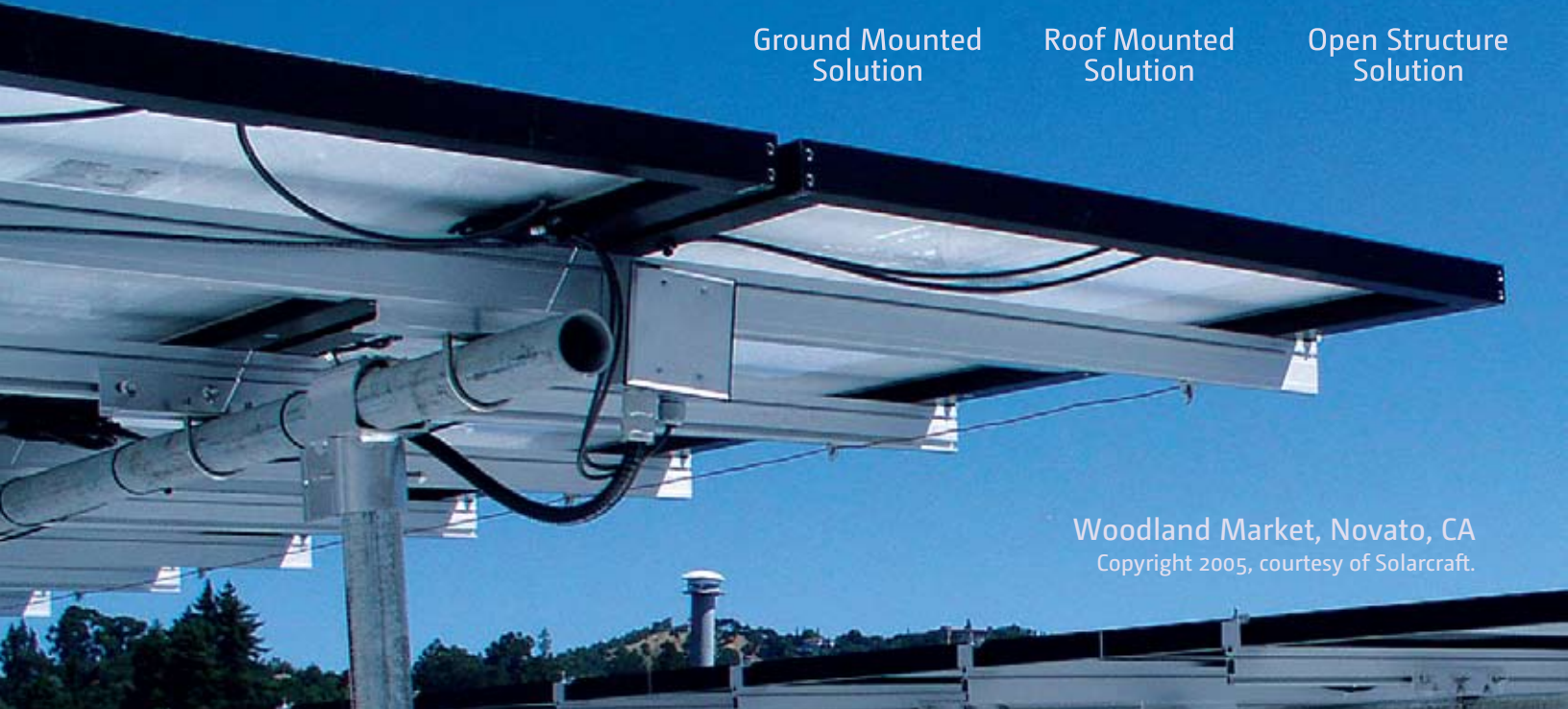
Ground Mounted Solution



Roof Mounted Solution



Open Structure Solution



Woodland Market, Novato, CA
Copyright 2005, courtesy of Solarcraft.

Unirac Large Arrays start at 3 kilowatts, but their size is limited only by the size of your ground site or the structural strength of your flat roof.

We design U-LAs to support a wider range of site and climactic challenges than any other PV structure on the market. U-LA aluminum or steel components merge with SolarMount rails and installer-supplied steel pipe to form durable, rigid truss structures.

It's a cost-effective mounting solution that has grown with the vision of the PV industry. Today, U-LA customers routinely reap hundreds of kilowatts to megawatts per installation.



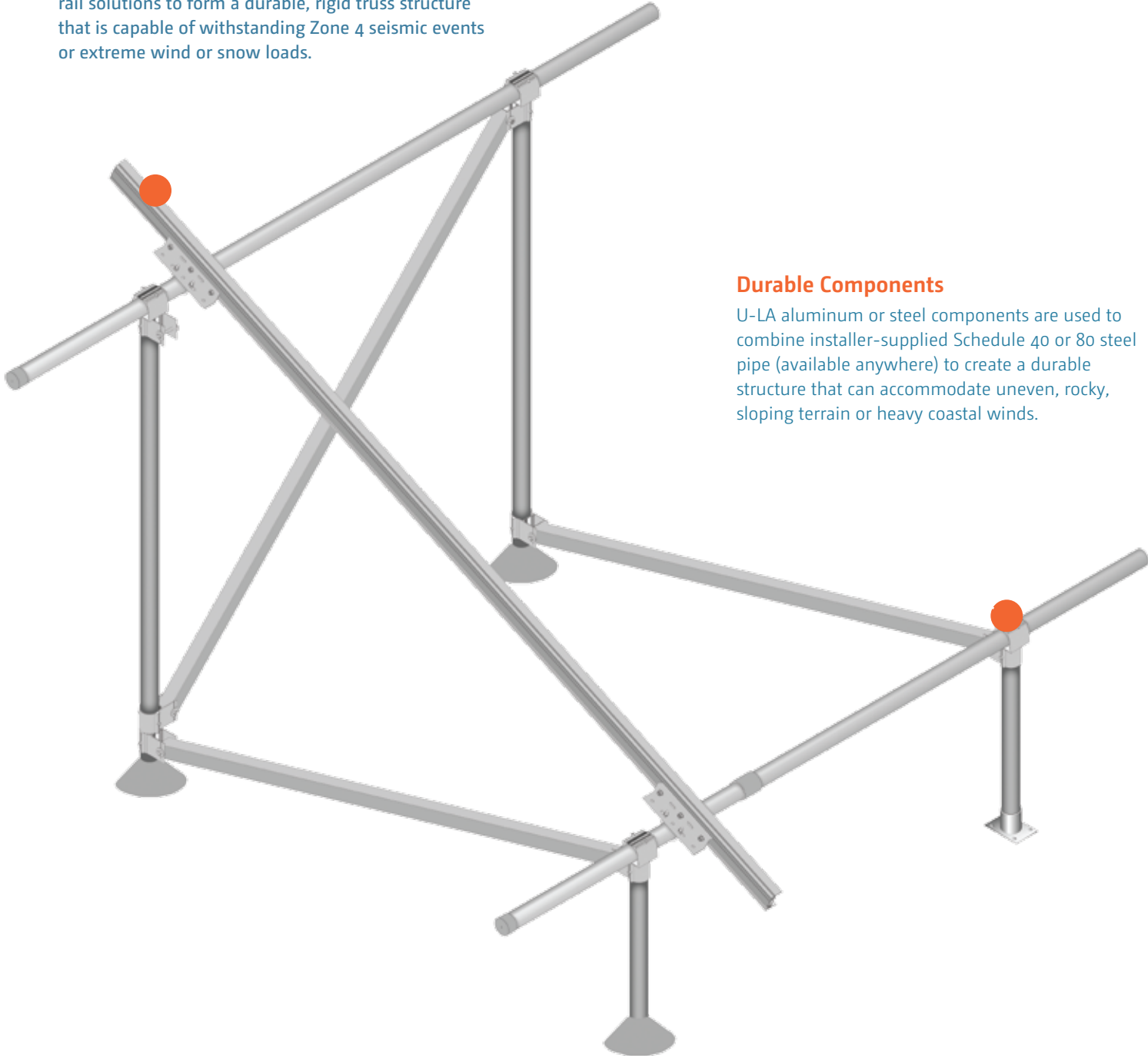
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UNIRAC LARGE ARRAY (U-LA)

Megawatts of Power

Strength with SolarMount Rail

Unirac Large Arrays use installer-friendly SolarMount rail solutions to form a durable, rigid truss structure that is capable of withstanding Zone 4 seismic events or extreme wind or snow loads.



Durable Components

U-LA aluminum or steel components are used to combine installer-supplied Schedule 40 or 80 steel pipe (available anywhere) to create a durable structure that can accommodate uneven, rocky, sloping terrain or heavy coastal winds.

U-LA COMPONENTS

Designed to meet your needs



SolarMount Standard or HD Rails

Modules are supported on top of rails giving ultimate flexibility to use top or bottom mounting hardware. SolarMount HD provides strength to accommodate larger spans than SolarMount Standard.



Rail Mounting Brackets

Secure SolarMount Rails to installer-supplied Schedule 40 or 80 steel pipe.



Front and Rear Leg Cap

Attaches front and rear horizontal pipe to vertical pipes and anchors upper end of north-south braces. Includes 3/8-inch hardware: 2 U-bolts and cross-brace bolt sized for pipe, 5 flange nuts, and 2 or 4 set screws. Available in steel and aluminum options.



Sliders

Attaches lower end of north-south cross braces to rear legs. Anchors both ends of east-west braces (if needed). Includes 3/8-inch hardware: 1 cross-brace bolt sized for pipe, 1 flange nut, and 2 or 4 set screws.



Cross Pipe

Provides north-south and east-west diagonal bracing. Extrusion size matches other 2- or 3-inch components.

KEY BENEFITS

of a Unirac Large Array

Versatility

- Custom-designed arrays for ground or flat roof applications
- Design software to ensure minimum attachments without overstressing any roof member
- Optimal tilt angle and array clearance over other rooftop equipment
- Accommodates uneven, rocky, sloping terrain or heavy coastal winds

Value

- Better alternative than designing from scratch
- Lightweight components ship economically and combine easily with installer-supplied Schedule 40 or 80 steel pipe, available everywhere

Ease of Installation

- Uses SolarMount standard and HD (heavy duty) rails
- Ready with design documentation and testing reports

Strength

- Capable of withstanding Zone 4 seismic events or extreme wind or snow loads
- Diagonally braced

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Bright Thinking in Solar



Rochdale, England
Copyright 2006, courtesy of Dulas Ltd.

Component Specifications

6105-T5 aluminum extrusion

- SolarMount® HD or standard rails
- Brackets and cross braces
- Pipe caps and truss sliders (aluminum option)
- Mounting clips and clamps

Severe Condition 4 (very severe) zinc-plated welded steel

- Pipe caps and truss sliders (steel option)

18-8 stainless steel

- Fasteners

ASTM A53 Schedule 40 galvanized steel

- Installer-supplied legs and cross pipes
(2-, 2½-, and 3-inch options)

Warranty

U-LA is covered by a 10-year limited product warranty and a 5-year limited finish warranty.

For complete warranties, download any U-LA installation manual from our web site.



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