ConnectPress Ltd.

Solar Racks, Mounts and Trackers Roundup

Vendors Reference Guide

March 2007

One of the essentials for photovoltaic or solar energy systems is solar racks, mounts or trackers. These structures hold and support solar panels or modules, and are available in several different fixed mount types including roof/ground mount, side-of-the pole mount and top-of-the-pole mount. In addition, trackers actually track the sun to catch solar energy throughout the day.

Whether you choose a rack, mount or tracker—and what type you opt for—is influenced by a number of factors including location, energy need, size, climate and installation requirements, just to name a few.

This handy Vendors Reference Guide presents an overview of vendors currently offering racks, mounts and trackers. Key information and features for specific products is included along with contact information. In addition to the specific models mentioned in this guide, many manufacturers offer custom models to fit customers' unique needs.

We here at ConnectPress hope you will find this guide a useful tool for helping you learn more about what racks, mounts and trackers options are available in today's solar marketplace.

Specs	Direct Power & Water (Power-Fab)	Direct Power & Water (Power-Fab)	Direct Power & Water (Power-Fab)	Direct Power & Water (Power-Fab)
Name/Model	Powertube CRS Commercial Racking System	Top-of-Pole Mounts	Aluminum Side-of-Pole Mounts	Painted Steel Side-of-Pole Mounts
Applications	Commercial; fits various configurations	Various configurations/depends on modules	Configurations to attach to side of pole, building or other vertical surface; brackets available for mounting to ROHN towers and wood telephone poles	Configurations to attach to side of pole, building or other vertical surface; brackets available for mounting to ROHN towers and wood telephone poles
Tilt Angle/Tracking	Pre-set 5 or 10 degree module tilt	Six tilt-angle settings (positive locking) from 15 to degrees in 10-degree increments (other optional tilt combinations available)	Tilt-angle adjustment varies with rack design	Tilt-angle adjustment varies with rack design
Features	Top-mount PV clamps; non-penetrating roof mounting; Track-Bolt system; low pitch angle; meets seismic Zone 4 requirements; heavy-duty stainless steel hardware	Sizes from 1-module to 24-modules—up to 260 sq. ft.; Module-specific design racks; withstand wind loads of 90 mph (optional designs capable of withstanding greater wind loads); sleeves sized to slip over standard-sized Schedule 40 steel pipe and have set-bolts spaced 90 degrees apart	Attached to pole with stainless steel band clamps (2 or 4); clamps for various pole sizes; can be also u-bolted or lag-bolted to poles and to sides of buildings or other vertical surfaces; withstand wind loads of 90 mph (optional designs capable of withstanding greater wind loads); can ship UPS	Attached to pole with stainless steel band clamps (2 or 4); clamps for various pole sizes; can be also u-bolted or lag-bolted to poles and to sides of buildings or other vertical surfaces; withstand wind loads of 90 mph (optional designs capable of withstanding greater wind loads); can ship UPS
Materials/Finish	6061-T6 structural grade aluminum construction	Rails have 6061-T6 structural grade aluminum angle (upgrades include hot-dip galvanized steel, powder coat with mill finish, and stainless steel); stainless steel mounting hardware; zinc-plated Grade 5 rack assembly hardware	Formed aluminum parts made of 5052-H32 aluminum; extrusions used are 6061-T6 structural alloy; stainless steel mounting hardware and rack assembly hardware	Module rails have 6061-T6 structural grade aluminum angle; stainless steel mounting hardware; zinc-plated Grade 5 rack assembly hardware; pole brackets, strongbacks and support struts of heavy gauge steel flat bar and square tubing
Price	Varies according to size	Varies according to size	Varies according to size	Varies according to size
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.directpower.com	www.directpower.com	www.directpower.com	www.directpower.com

Specs	Direct Power & Water (Power-Fab)	Direct Power & Water (Power-Fab)	Direct Power & Water (Power-Fab)	Sharp
Name/Model	Aluminum Roof/Ground Mounts	Painted Steel Roof/Ground Mounts	Power Rail Top-Clamp Mounting System	Solar Racking System (SRS)
Applications	Various roof/ground configurations	Various roof/ground configurations	For parallel-to-roof arrays	Residential and light commercial installation; compatible with all types asphalt shingles, on both peak and hipped roofs, for retrofit or new construction
Tilt Angle/Tracking	Tilt-angle adjustment varies with design; mounts can be set at 0 degrees by removing back legs	Tilt-angle adjustment varies with design; mounts can be set at 0 degrees by removing back legs	N/A	N/A
Features	Standard mounts have modules racked with length horizontal, stacked one above the other (hold 1 to 10 modules); low-profile mounts racked side-by-side with module length vertical (hold 4 to 12 modules); two-tier mounts racked in two rows with module length vertical (hold 4 to 14 modules); both one-piece and telescoping-leg sets available; all mounts can be set at 0 degrees by removing back legs; most ship UPS	Standard mounts have modules racked with length horizontal, stacked one above the other (hold 1 to 10 modules); low-profile mounts racked side-by-side with module length vertical (hold 4 to 12 modules); two-tier mounts racked in two rows with module length vertical (hold 4 to 14 modules); both one-piece and telescoping-leg sets available; all mounts can be set at 0 degrees by removing back legs; most ship UPS	Top-clamping module mount; designed to withstand 125 mph wind loads in an Exposure C setting; maximum span between supports is 80”; greatest allowable cantilever is 32”; in areas with max wind speeds up to 90 mph in Exposure C setting and snow loads not greater than 30 lbs./sq. ft., a span between supports of 96” and a max cantilever of 36” is allowable	Available in made-to-order kits customized to specific system needs; adjustable sliders are also equipped with butyl sealant pads; shared rail system requires 30% less rail than conventional systems
Materials/Finish	Module rails and legs of 6061-T6 structural grade aluminum angle; (some larger racks of 6061-T6 structural aluminum channel); stainless steel mounting hardware; zinc-plated Grade 5 rack assembly hardware; mounting feet of steel and hot-dip-galvanized	Module rails and one-piece legs of ASTM A36 steel angle; telescoping-leg sets of ASTM A500-Grade B steel square tubing; stainless steel mounting hardware; zinc-plated Grade 5 rack assembly hardware; mounting feet of steel and hot-dip-galvanized	Extrusion is 6061-T6 structural aluminum; mid-clamps and end-clamps are Type 304 stainless steel; mounting feet are 5052-H32 aluminum; all hardware is stainless steel	Steel mounting hardware
Price	Varies according to size	Varies according to size	Varies according to size	Varies according to size
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/ distributor
Web Address	www.directpower.com	www.directpower.com	www.directpower.com	www.directpower.com

Specs	Thompson Technology Industries	Thompson Technology Industries	Thompson Technology Industries	Thompson Technology Industries
Name/Model	Flat Jack Roof Mount	Flush Mount System	Pole Mount Rack System	Single-Axis Tracker System
Applications	Pitched composite shingle roofs; also can be used to mount solar thermal modules	Reversible channels compatible with most standard commercial modules	High-strength ground mount for solar module arrays	Single drive train system supports 1 sq.-acre area or up to 250 kWp; consists of pole-mounted PV arrays
Tilt Angle/Tracking	N/A	N/A	Angled mounting head is customizable; angle finder mechanism ideally suited for uneven terrain by allowing for side-to-side angle adjustments of 0 to 15 degrees	45 degree maximum angle displacement
Features	Minimal or no shingle cutting required; no sealants required; wind resistant to 130 mph; low profile design; provides positive waterproofing	Seamless, low-profile installation; integrated 4-component system; wind resistant to 130 mph; self-trimming, self-finishing design; simple coupling mechanism; works with TTI's Flat Jack Roof Mounts	Adjustable; provides 100% waterproofing; wind resistant to 130 mph; underside clip mounting system allows seamless installations	Accepts commercially available modules; makes continuous adjustments to maximize PV production; drives up to 250 kWp of modules using single, centrally mounted 15-ton, 1.5 HP, 3-phase motor; UL-listed automated controls with remote monitoring; array flattens at 30 mph wind speed; preassembled; 70 mph at all angles allowable wind load (higher in stow position); 600 lb. module wind hold capacity; maximum 8 ft. array height; single-axis automatic tracking; dual or triple module layout; 20-year warranty
Materials/Finish	Available in galvanized (clear or black) finishes; made of durable and corrosion-resistant materials (solid aluminum and stainless steel)	Black anodized aluminum rail in standard 18.5 ft. lengths; zinc-plated twirl nut; stainless steel black oxide screws	All-aluminum built-in raceways; corrosion-resistant materials	All-galvanized steel construction; rollers and bearing surfaces of 300 series stainless steel; panel mounting rails made of anodized steel; aluminum T-clips
Price	Check with supplier	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.thompsontec.com	www.thompsontec.com	www.thompsontec.com	www.thompsontec.com

Specs	Two Seas Metalworks	Two Seas Metalworks	Two Seas Metalworks	Two Seas Metalworks
Name/Model	Ground/Roof Mounts	Side & Top of Pole Mounts	Single Arm Side of Pole Mount	Flush Mount Roof System
Applications	Available in ground/roof (single column) and low profile ground/roof (single row in portrait mode)	Available in side of pole, single-tier top of pole, and double-tier top of pole double mount models	Various applications	Installs on any roof including composite shingles, tile or standing seam
Tilt Angle/Tracking	Adjustable over a wide range	Adjustable over a wide range	Adjustable over a wide range	N/A
Features	Fits modules from ASE, GE, BP, Evergreen, Kyocera, Matrix, Sharp, Sanyo, Shell, Sunwize and Mitsubishi; panel support length is 25 to 325 in. (depending on model); withstands 125 mph wind loads; can ship via UPS; 20-yr. warranty	Fits modules from ASE, GE, BP, Evergreen, Kyocera, Matrix, Sharp, Sanyo, Shell, Sunwize and Mitsubishi; all double-tier top of pole mounts require 6-in. pole; single-tier top of pole mounts require 4-in. pole (UNI-TP/01 usable on 2-in. pole); side of pole mount models require 2-, 4- or 6-in. poles (depending on model); panel support length is 13 to 21.5 in. (depending on model) withstands 125 mph wind loads; can ship via UPS; 20-yr. warranty	Module clamp and slot combo eliminates need for bolt holes in panel and allows use for wider selection of solar panels; panel support length is 25 to 140 in. (depending on model); withstands 125 mph wind loads; 20-yr. warranty	Fits modules from ASE, GE, BP, Evergreen, Kyocera, Matrix, Sharp, Sanyo, Shell, Sunwize and Mitsubishi; mounts can be linked together in varying combinations to achieve needed length; panel support length is 48 to 336 in. (depending on model); can ship via UPS; withstands 125 mph wind loads; 20-yr. warranty
Materials/Finish	Aluminum construction; stainless steel hardware; corrosion-resistant materials; brushed aluminum or powder coat finish	Aluminum construction; stainless steel hardware; corrosion-resistant materials; brushed aluminum or powder coat finish	Aluminum construction; stainless steel hardware; corrosion-resistant materials; brushed aluminum or powder coat finish	Aluminum construction; stainless steel hardware; corrosion-resistant materials; brushed aluminum or powder coat finish
Price	$82-$931 (varies per model)	$101-$1,195 (varies per model)	$57-$65 (varies per model)	$124-$592 (varies per model)
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.2seas.com	www.2seas.com	www.2seas.com	www.2seas.com

Specs	UniRac	UniRac	UniRac	UniRac
Name/Model	SolarMount—Light Rail, Flush Mount	SolarMount—Standard Rail, Flush Mount	SolarMount—Standard Rail, Low Profile Tilt Legs	SolarMount—Standard Rail, High Profile Tilt Legs
Applications	Wide variety of options provide installation of almost any framed PV module	Wide variety of options provide installation of almost any framed PV module	Wide variety of options provide installation of almost any framed PV module	Wide variety of options provide installation of almost any framed PV module
Tilt Angle/Tracking	N/A	N/A	Tilt angle depends on leg length and make/model of PV modules	Tilt angle depends on leg length and rail length
Features	Custom configured system based on code requirements, site-specific wind loads etc.; Install an array flush to roof or other mounting surface with footings up to 48 in. apart; mount in high or low profile; accessories for special circumstances (Spanish tile or uneven roof); employs 38% less aluminum than standard rail; UniRac specifies ballast (standard size high-density concrete blocks that meet ASCE-7 standards and weigh 28 lb. each)	Custom configured system based on code requirements, site-specific wind loads etc.; provides extra strength where foot spacing must exceed 48 in.; install an array flush to roof or other mounting surface in high or low profile; accessories for special circumstances (Spanish tile or uneven roof); UniRac specifies ballast (standard size high-density concrete blocks that meet ASCE-7 standards and weigh 28 lb. each)	Custom configured system based on code requirements, site-specific wind loads etc.; can minimize vertical height of array and optimize tilt angle on a pitched roof; UniRac specifies ballast (standard size high-density concrete blocks that meet ASCE-7 standards and weigh 28 lb. each)	Custom configured system based on code requirements, site-specific wind loads etc.; maximizes module density at given site area on ground or on flat or pitched roof; UniRac specifies ballast (standard size high-density concrete blocks that meet ASCE-7 standards and weigh 28 lb. each)
Materials/Finish	SolarMount ballast frame of 6061-T6 and 6063-T5 structural aluminum extrusion; rails, mounting clips and clamps, tilt legs and L-feet, and two-piece standoffs of 6105-T5 aluminum extrusion; one-piece standoffs of Condition 4 zinc-plated welded steel	SolarMount ballast frame of 6061-T6 and 6063-T5 structural aluminum extrusion; rails, mounting clips and clamps, tilt legs and L-feet, and two-piece standoffs of 6105-T5 aluminum extrusion; one-piece standoffs of Condition 4 zinc-plated welded steel	SolarMount ballast frame of 6061-T6 and 6063-T5 structural aluminum extrusion; rails, mounting clips and clamps, tilt legs and L-feet, and two-piece standoffs of 6105-T5 aluminum extrusion; one-piece standoffs of Condition 4 zinc-plated welded steel	SolarMount ballast frame of 6061-T6 and 6063-T5 structural aluminum extrusion; rails, mounting clips and clamps, tilt legs and L-feet, and two-piece standoffs of 6105-T5 aluminum extrusion; one-piece standoffs of Condition 4 zinc-plated welded steel
Dimensions	Varies depending on size	Varies depending on size	Varies depending on size	Varies depending on size
Price	Check with supplier	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.unirac.com	www.unirac.com	www.unirac.com	www.unirac.com

Specs	UniRac	UniRac	UniRac	UniRac
Name/Model	SolarMount S-5!	PV PoleTops Series 5000	PV PoleTops Series 5001	PV PoleTops Series 5002
Applications	Secures PV modules to standing-seam metal roof	Pole top mount applications	Pole top mount applications	Pole top mount applications
Tilt Angle/Tracking	N/A	15 to 60 degrees from horizontal	0 to 90 degrees	0 to 90 degrees
Features	SolarMount top-mounting clamps with S-5! clamp provide easy installation without roof penetration; rails not required (can be used for special applications); 10-yr. limited product warranty (finish, 5 yr.)	Up to 16 sq. ft. for installer-supplied 2.5-in. Schedule 40 or 80 pole; SolarMount standard rail	Up to 33 sq. ft. for installer-supplied 3-in. Schedule 40 or 80 pole; SolarMount HD (heavy duty) rail	Up to 45 sq. ft. for installer-supplied 4-in. Schedule 40 or 80 pole; SolarMount HD (heavy duty) rail
Materials/Finish	Stainless steel mounting bolts and set screws; S-5! PV clamps made of mill finish 6061-T6 aluminum extrusion; SolarMount top-mounting clamps of 6105-T6 aluminum extrusion (clear or dark bronze anodized)	Pole top mounts are mill finish aluminum; stainless steel hardware	Pole top mounts are mill finish aluminum; stainless steel hardware	Pole top mounts are mill finish aluminum; stainless steel hardware
Dimensions	N/A	Varies depending on size	Varies depending on size	Varies depending on size
Price	Check with supplier	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.unirac.com	www.unirac.com	www.unirac.com	www.unirac.com

Specs	UniRac	UniRac	UniRac	UniRac
Name/Model	PV PoleTops Series 5003	PV PoleTops Series 5004	PV PoleSides Adjustable	PV PoleSides Fixed Tilt
Applications	Pole top mount applications	Pole top mount applications	Pole side mount applications	Pole side mount applications
Tilt Angle/Tracking	0 to 90 degrees	15 to 60 degrees	Adjustable	45 degrees (Series 4011); 45 or 60 degrees (Series 4012)
Features	Up to 65 sq. ft. for installer-supplied 4-in. Schedule 40 or 80 pole; SolarMount HD (heavy duty) rail	Up to 100 sq. ft. for installer-supplied 6-in. Schedule 40 or 80 pole; SolarMount HD (heavy duty) rail	For 2-in. Schedule 40 or 80 steel pole (Series 4000); with SolarMount standard rails for 2.5 in. Schedule 40 or 80 steel pole (Series 4001); with SolarMount standard rails for 2.5-, 3- or 4-in. Schedule 40 or 80 steel pole	For 2-in. Schedule 40 or 80 steel pole
Materials/Finish	Pole top mounts are mill finish aluminum; stainless steel hardware	Pole top mounts are mill finish aluminum (except for grade 5 zinc-plated steel pole plates for 6-in. models); stainless steel hardware	Mill finish aluminum components; stainless steel hardware	Mill finish aluminum components; stainless steel hardware
Dimensions	Varies depending on size	Varies depending on size	Varies depending on size	Varies depending on size
Price	Check with supplier	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/distributor
Web Address	www.unirac.com	www.unirac.com	www.unirac.com	www.unirac.com

Specs	UniRac	UniRac	Wattsun (Array Technologies)	Wattsun (Array Technologies)
Name/Model	U-LA (UniRac Large Array)	SunFrame	Small Tilt & Roll Trackers (Two Module, Single-Axis, Linear Actuator Drive)	Small Tilt & Roll Trackers (Two Module, Single-Axis, Linear Actuator Drive)
Applications	For large ground or roof-based arrays	Primarily for pitched roof	Ideal for small, two-panel pumping applications	Ideal for small battery charging or water pumping apps
Tilt Angle/Tracking	N/A	N/A	Automatically tracks sun from east to west	Elevation tilt manually adjustable; tracks east to west
Features	Always custom-made; for PV module arrays of 3 kW and up; designed for specific code requirements and unique site conditions; ULA components merge with SolarMount rails and installer-supplied steel pipe to form durable, rigid truss structures	Modules are flush-mounted in low, gap-free rows; visible components match clear or dark module frames; includes inter-module rails, end caps, L-feet (attach through asphalt shingle roofs and support rails ½ to ¾ in. above roof surface); splices, and optional standoffs (support L-feet above tile or shake roofs)	Accommodates small, two-module arrays (maximum of 170 watts); can mount nearly any standard 40 to 85 watt modules; solid state electronics and positive drive mechanisms unaffected by wind or cold; mounts on 2.5-in. ID Schedule 40 steel pipe; can ship UPS	Accommodates up to 6 120W or 10 85W modules; compatible with 12V, 24V or 48V systems; fast installation; solid state electronics and positive drive mechanisms not affected by wind or cold; solid state electronic tracker control; linear actuator drive; mounts on 4-in. ID Schedule 40 steel pipe; optional voltage converter; ships in 4 boxes via UPS
Materials/Finish	Mill finish aluminum	Rails, end caps, two-piece standoffs, splices, L-feet and F-feet sliders made of 61505-T5 aluminum extrusion; end caps are UV-resistant plastic; one-piece standoffs of Condition 4 zinc-plated welded steel; components anodized to match color of module frames; 10-yr. limited product warranty (finish, 5 yr.)	Sturdy structural aluminum frame; optional stainless steel hardware	Sturdy structural aluminum frame; optional stainless steel hardware
Dimensions	Varies depending on size	Varies depending on size	Varies depending on size	Varies depending on size
Price	Check with supplier	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/distributor	Manufacturer/distributor	Manufacturer/dealer	Manufacturer/dealer
Web Address	www.unirac.com	www.unirac.com	www.wattsun.com	www.wattsun.com

Specs	Wattsun (Array Technologies)	Wattsun (Array Technologies)	Wattsun (Array Technologies)
Name/Model	Large Horizontal Tilt & Roll Trackers	Small Azimuth Trackers	Large Azimuth Tracker
Applications	For large PV systems	Residential grid-tie and off-grid	Residential grid-tie and off-grid
Tilt Angle/Tracking		270 degrees of rotational movement; can tilt to 75 degrees; custom trackers can be ordered to track up to 360 degrees	270 degrees of rotational movement; 5 to 75 degrees of elevation tilt
Features	24- to 96-module, single axis, gear drive linear trackers (24 75W modules per frame; trackers can be linked in a 4-frame continuous string for large-scale applications; ; each frame holds up to 2.5 kW of modules (1 to 4 frames per tracker), total capacity is 10 kW per tracker; fast installation; solid state electronic tracker control; reliable operation in wind or cold	AZ-125 gear drive; single-axis tracking method; up to 12 120W or 18 75W modules; maximum capacity about 1,800 watts; automatically tracks sun by rotating PV array about the pipe mast and then tilts for elevation position; compatible with any PV system voltage; fast installation; solid state electronic tracker control; dual-axis option; high-quality worm gear drive; mounts on 6-in. ID Schedule 40 steel pipe	AZ-225 gear drive; up to 18 120W or 24 75W modules; maximum capacity about 3,000 watts; automatically tracks sun by rotating PV array about the pipe mast and then tilts for elevation position (dual-axis tracking option included); compatible with any PV system voltage above 24VDC; fast installation; solid state electronic tracker control; heavy-duty ball bearing/worm gear drive; optional manual controls; mounts on 8-in. ID Schedule 40 steel pipe
Materials/Finish	Structural aluminum module support frame	Structural aluminum module support frame	Structural aluminum module support frame
Dimensions	Varies depending on size	Varies depending on size	Varies depending on size
Price	Check with supplier	Check with supplier	Check with supplier
Contact	Manufacturer/dealer	Manufacturer/dealer	Manufacturer/dealer
Web Address	www.wattsun.com	www.wattsun.com	www.wattsun.com

Specs	Zomeworks	Zomeworks	Zomeworks
Name/Model	Universal Track Rack	Universal Fixed Rack (Roof/Ground Mount)	Universal Fixed Rack (Top-of-Pole Mount)
Applications	Various applications including domestic and industrial PV power systems, water pumping systems, cathodic protection systems and utility applications	Can be installed on roof or ground	Ideal for remote sites
Tilt Angle/Tracking	Almost "limitless" adjustment in both east-west and north-south directions	Seasonally adjustable from 0 to 60 degrees	Easy "unlimited" seasonal adjustment
Features	Passive solar tracker; six standard UTR and UTR-F Track Racks fit most common PV modules; holds 2 to 32 modules (depending on model); ZW-2003 shock absorber standard on all F-series track racks; large early morning wake-up fin standard on all UTRF-168 trackers; UTRF-168 comes with 4 shock absorbers for improved stability; Lighter weight UTRK-040 accommodates up to 2 shock absorbers and early morning wake-up fin and can be shipped UPS; F-Series track racks ship partially assembled for easy installation; transportable in 1 to 4 boxes that fit in a pick-up truck; 10-yr. standard warranty	Vertical and low-profile configurations; telescoping rear legs; slotted custom-formed aluminum channel accommodates any size module; adjustable to fit variety of module combinations; sturdy, wind-resistant construction; lightweight; easy assembly; in easy-to-handle boxes that can fit in bed of pick-up truck (some can ship UPS); 10-yr. limited warranty	Mounts on Schedule 40 steel pipe; slotted custom-formed aluminum channel accommodates any size module; adjustable to fit variety of module combinations; sturdy, wind-resistant construction; easy assembly; in easy-to-handle boxes that can fit in bed of pick-up truck (some can ship UPS); 10-yr. limited warranty
Materials/Finish	Stainless steel and zinc-plated hardware	All-aluminum construction; stainless steel hardware; non-corrosive materials	Heavy-duty welded steel with urethane enamel coating; stout, welded steel gimbal and cross-bar assembly; aluminum channel
Dimensions	20 sq. ft. module space (UTR-020) to 168 sq. ft. module space (UTRF-168)	Varies depending on model	Varies depending on model
Price	$606 to $3,583 (depending on model)	Check with supplier	Check with supplier
Contact	Manufacturer/distributor/dealer	Manufacturer/distributor/dealer	Manufacturer/distributor/dealer
Web Address	www.zomeworks.com	www.zomeworks.com	www.zomeworks.com