



Sharp

OnEnergy™ racking solutions for SunWize® Grid-Tie Systems

Sharp OnEnergy solar racking system: An innovative, low-profile shared rail PV mounting system requires up to 30% less rail than conventional systems. Features UL listed integrated solar attachment for Sharp Solar modules with lipped frames. A 10-year limited warranty is provided with racking system.

The solar racking system features a patented Sharp Talon clip. When fastened to the rails these clips grip each module and are securely in hidden place. Talon clips also serve as module-to-module integrated grounding (UL listed) to each rail, reducing the need for additional costly lugs and copper wire saving even more time. OnEnergy racking solutions are engineered for static loads up to 50 PSF and compatible with all types of peak and hipped roofs for retrofit or new construction.

SunWize has pre-configured many complete racking kits for asphalt shingles with or without flashings and for flat concrete or curved tile Spanish roofs for most all of the Grid-Tie Systems packages offered, see table below. Sharp solar racking systems will ship direct from Sharp free freight in US/48 states, independent of the Grid-Tie System.

OnEnergy solar racking systems must be installed by a qualified electrical or solar contractor with training by Sharp OnEnergy professionals, contact SunWize for training information.

Sharp OnEnergy racking features include:

- Streamlined system with clean, improved aesthetics, perfect for HOA's
- Black anodized aluminum front and top beveled covers and side end caps provide a finished appearance
- Low profile decreases wind drag
- Rails are pre-cut supplied in one to four-module lengths
- Rail splicers simplify various array layouts
- Structural steel components are coated with SuperDyma® corrosion and scratch resistant alloy, superior to galvanized treatments
- Rail to rail equipment grounding holes provided at each end of rails
- Adjustable slider assembly insures proper alignment and flexibility at roof
- Butyl sealant pads with slider insure a waterproof seal at each penetration
- Stainless steel metric screw fasteners included
- CAD system drawings, assembly instructions and bill of materials with every order

Module layouts can only be installed in portrait orientation. Racking solutions for special configurations to avoid skylights, vent pipes or for odd numbers of modules in a staggered row are also available-contact SunWize sales for pricing information.



The adjustable slider assemblies make it easier to achieve straight rail alignment



Better aesthetics are just a click away with Talon clips, hidden by trim covers



Pre-cut rails are easily spliced together



Trim covers offer form, function, and a finishing touch for a cleaner looking installation

Module Qty.	# of Rows x Columns	PV Array in Landscape - Rack Model #			# of Rows x Columns Concrete Tile	PV Array in Portrait - Rack Model #		
		Asphalt Shingle	Asphalt Shingle	Flat with Flashings		Asphalt Shingle	Asphalt Shingle with Flashings	Flat Concrete Tile
13	1 x 13	USSAT1D	USSAT1DS	USHAT1D	2 X 7*	USSAP26	USSAP26F	USHAP26
15	1 X 15	USSAT1F	USSAT1FF	USHAT1F	2 X 8*	USSAP27	USSAP27F	USHAP27
24	2 X 12	USSAT2C	USSAT2CF	USHAT2C	3 X 8	USSAT38	USSAT38F	USHAT38
30	2 X 15	USSAT2F	USSAT2FF	USHAT2F	3 X 10	USSAT3A	USSAT3AF	USHAT3A
36	3 X 12	USSAT3C	USSAT3CF	USHAT3C	4 X 9	USSAT49	USSAT49F	USHAT49
42	3 X 14	USSAT3E	USSAT3EF	USHAT3E	6 X 7	USSZ910	USSZ910F	USHZ910
11	1 X 11	USSAT1B	USSAT1BF	USHAT1B	2 X 6*	USSAP25	USSAP25F	USHAP25
16	2 X 8	USSAT28	USSAT28F	USHAT28	4 X 4	USSAT44	USSAT44F	USHAT44
24	2 X 12	USSAT2C	USSAT2CF	USHAT2C	3 X 8	USSAT38	USSAT38F	USHAT38
27	2 X 14	USSAT2E	USSAT2EF	USHAT2E	3 X 9	USSAT39	USSAT39F	USHAT39
30	2 X 15	USSAT2F	USSAT2FF	USHAT2F	3 X 10	USSAT3A	USSAT3AF	USHAT3A
15	1 X 15	USSAT1F	USSAT1FF	USHAT1F	2 X 8*	USSAP27	USSAP27F	USHAP27
20	2 X 10	USSAT2A	USSAT2AF	USHAT2A	4 X 5	USSAT45	USSAT45F	USHAT45
24	2 X 12	USSAT2C	USSAT2CF	USHAT2C	3 X 8	USSAT38	USSAT38F	USHAT38
28	2 X 14	USSAT2E	USSAT2EF	USHAT2E	4 X 7	USSAT47	USSAT47F	USHAT47
30	2 X 15	USSAT2F	USSAT2FF	USHAT2F	3 X 10	USSAT3A	USSAT3AF	USHAT3A

* Indicates top row is centered with lessor quantity of modules than bottom row.