



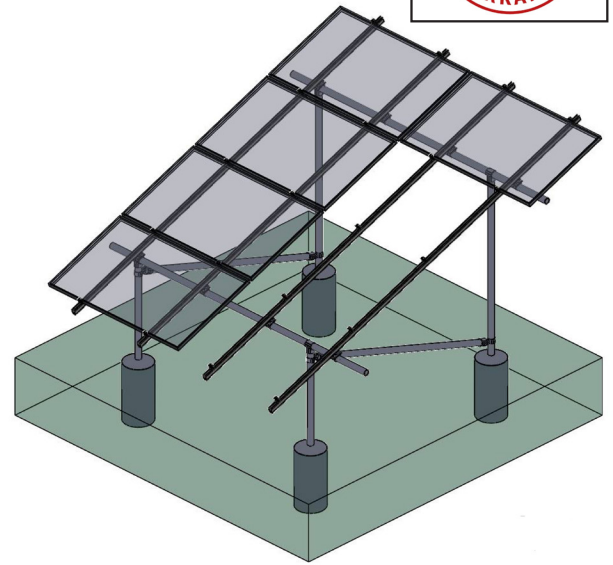
GROUND MOUNT KITS

Save Time and Money

Low-cost rail-based PV module mounting system provides easy installation, simple wire management, great strength and economical shipping



- Utilizes our heavy-duty 3.1 mill finish rail
- Kits contains all parts required except Swivel Tee Fittings for cross bracing, 2-inch schedule 40 pipe and concrete
- UPS shippable
- Choose one starter kit for first column of 3 or 4 modules
- Expand with up to 7 add-on column kits
- Mount up to 64 modules on a single structure.
- Mount typical modules with frame thickness between 30mm and 40mm
- Rated for up to 170 MPH wind speed and 50 psf of snow load
- Some situations require cross bracing - see sizing chart on next page
- Sites with greater than 15 degree ground slope may require additional engineering certification
- Maximum module width 43" on 3-module kits and 41.6" on 4-module kits
- 14-inch Rail Extender Kit (90521) allows mounting of 45-inch wide modules



Best Wire Management - PV cables and wiring for module-level electronics fits inside rails to avoid time consuming wire management.

UL 2703 Listed - All components meet the UL standards and have a Class A Fire Rating for Type 1 and 2 modules.

PE Certified - Pre-stamped engineering letters available for most states.

Tamarack Ground Mount Kit Sizing

Kits are available for systems with either 3 or 4 modules per column. Use a First Column Kit and up to 7 Add-On Kits. Find the wind speed and snow load required for your location and tilt angle.

Green or yellow boxes on the chart at right note compatibility with 24.5 sq-ft modules.

Orange squares note compatibility with up to 19 sq-ft modules only.

Red boxes require custom mount design.

Yellow and orange boxes require North/South cross braces. Order one Cross Brace Tee (part/# 89778) per vertical post when Cross Braces are required.

- No Bracing Required
- Use Cross Bracing
- 60 Cell Modules Only
- 3 rail per column

Column Height	Snow Load (psf)	Tilt Angle	Maximum Wind Rating (MPH)							
			100	110	120	130	140	150	160	170
3 Modules in Landscape Orientation	20	20	Green	Green	Green	Green	Green	Green	Yellow	Yellow
		30	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
		40	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	30	20	Green	Green	Green	Green	Green	Green	Yellow	Yellow
		30	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	40	20	Green	Green	Green	Green	Green	Green	Yellow	Yellow
		30	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	50	20	Green	Green	Green	Green	Green	Green	Yellow	Yellow
		30	Green	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
4 Modules in Landscape Orientation	20	20	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
		30	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	30	20	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
		30	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	40	20	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow
		30	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
	50	20	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	Yellow
		30	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red
		40	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Red

Sizing Chart above is based on Exposure Category B. This includes urban and suburban or wooded areas. Obstructions the size of single family dwellings must surround the mount location within 1/2 mile in all directions.

For flat, open country or hurricane prone regions, please contact us before purchasing.

Item #	Description
Kits	3 Module Per Column
90057	3 Module First Column Kit - (2) 85" rails, (2) 42.5" rails, (4) 2" Tee-Fittings, (2) Splices, (4) Pipe Mounts, (8) 5050 Clamps, (4) End Caps, (8) Module Lead Clips and (1) Ground Clamp
90064	3 Module Add-On Column Kit - (2) 85" rails, (2) 42.5" rails, (2) 2" Tee-Fittings, (2) Splices, (4) Pipe Mounts, (8) 5050 Clamps, (4) End Caps, (8) Module Lead Clips
Kits	4 Modules Per Column
90071	4 Module First Column Kit - (4) 85" rails, (4) 2" Tee-Fittings, (2) Splices, (4) Pipe Mounts, (10) 5050 Clamps, (4) End Caps, (8) Module Lead Clips and (1) Ground Clamp
90088	4 Module Add-On Column Kit - (4) 85" rails, (2) 2" Tee-Fittings, (2) Splices, (4) Pipe Mounts, (10) 5050 Clamps, (4) End Caps and (8) Module Lead Clips
	14-inch Rail Extension Kit
90521	Kit includes two 14-inch 3.1 rail sections with splices to extend one column 14-inches
	Cross Brace Tee - Order separately when Cross Bracing is required
89778	2-inch Swivel Tee-Fitting for cross bracing. Use 1 for each vertical post when bracing is required.