



Tamarack Solar
Products

3 MODULE - HIGH WIND POLE TOP MOUNT STP-LCR/124HW

The STP-LCR/124HW is designed and engineered for three 60 or 72 cell modules that are less than 41" wide.



- Mounts on a user-supplied 4" schedule 40 steel pipe
- Manufactured using pre-galvanized steel and heavy-duty corrosion resistant 5000 series aluminum.
- No complex sizing documents or need to send module data sheets when ordering
- Tilt angle is adjustable in 10° increments from 0° to 60° from horizontal

- IN STOCK for immediate ground shipment
- Total shipping weight is 112 pounds in four boxes
- Fits modules with mounting hole spacing of 20.95" to 58.68"
- Easily installed and adjusted by a single person
- Stainless Steel Hardware
- **Certified for up to 150 mph wind speeds - see tables on next page for maximum wind speed at various module tilt angles and recommended footing sizes**

The table below shows the Design Wind Speed for various module tilt angles and maximum snow loads. The yellow cells require larger footings. If the wind speed or snow load you are expecting is in yellow, the footing size in the table at the bottom of the page on the yellow line should be used.

STP-LCR/124HW ENGINEERING TABLES								
Module Tilt Angle	Design Wind Speed		Ground Snow Load					
	ASCE 7-10 MPH	ASCE 7-05 MPH	0 psf	10 psf	20 psf	30 psf	40 psf	50 psf
0°	110	85	60 or 72	60 or 72	60 or 72	60 ONLY		
	115	89	60 or 72	60 or 72	60 or 72	60 ONLY		
	120	93	60 or 72	60 or 72	60 or 72	60 ONLY		
	130	100	60 or 72	60 or 72	60 or 72	60 ONLY		
	140	108	60 or 72	60 or 72	60 ONLY			
	150	116	60 or 72	60 or 72	60 ONLY			
10°	110	85	60 or 72	60 or 72	60 or 72	60 ONLY		
	115	89	60 or 72	60 or 72	60 ONLY	60 ONLY		
	120	93	60 or 72	60 or 72	60 ONLY			
	130	100	60 or 72	60 or 72	60 ONLY			
	140	108	60 or 72	60 or 72	60 ONLY			
	150	116	60 or 72	60 or 72				
20°	110	85	60 or 72	60 or 72	60 or 72	60 ONLY		
	115	89	60 or 72	60 or 72	60 or 72	60 ONLY		
	120	93	60 or 72	60 or 72	60 or 72			
	130	100	60 or 72	60 or 72	60 ONLY			
	140	108	60 ONLY	60 ONLY	60 ONLY			
	150	116						
30°	110	85	60 or 72	60 or 72	60 or 72	60 ONLY		
	115	89	60 or 72	60 or 72	60 ONLY	60 ONLY		
	120	93	60 or 72	60 or 72	60 ONLY			
	130	100	60 ONLY	60 ONLY	60 ONLY			
40°	110	85	60 or 72	60 or 72	60 or 72	60 or 72	60 ONLY	
	115	89	60 or 72	60 or 72	60 or 72	60 ONLY	60 ONLY	
	120	93	60 or 72	60 or 72	60 or 72	60 ONLY		
50°	110	85	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY
	115	89	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY
60°	110	85	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY	60 ONLY

The table at right shows the required footing depth for 18" and 30" diameter footings in Class 4 and Class 5 soils for various tilt angles.

Footing Depths (feet)					
Footing Diameter	Soil Type	Class 5		Class 4	
		18"	30"	18"	30"
TILT ANGLE	0°	4.00	3.25	3.50	3.00
	0°	4.00	3.25	3.50	3.00
	10°	4.75	4.00	4.00	3.25
	10°	5.00	4.00	4.25	3.50
	20°	4.75	4.00	4.25	3.50
	20°	5.50	4.50	4.75	3.75
	30°	6.00	5.00	5.25	4.25
	30°	7.50	6.00	6.25	5.25
	40°	6.50	5.25	5.50	4.50
	40°	8.25	6.75	7.00	5.75
	50°	8.00	6.50	7.00	5.75
	60°	8.00	6.50	6.75	5.50