



Tamarack Solar  
Products

## 6 MODULE - HIGH WIND POLE TOP MOUNT LTP-LCR/124HW

The LTP-LCR/124HW is designed and engineered for six 60 or 72 cell modules that are less than 4-inches wide.



- Mounts on a user-supplied 6" schedule 40 or schedule 80 steel pipe.
- Fits modules with mounting hole spacing of 20.95" to 58.68"
- 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 - No long lead times
- UPS Shippable
- Total shipping weight is 260 pounds in six boxes
- Easily installed by a single person
- **Certified for up to 130 mph wind speeds and 50 psf snow load.**

**Some tilt angles require the high load kit LTP-HLKT-124 to be ordered separately.**

**See table on next page for maximum wind speed at various module tilt angles and to see if you need the LTP-HLKT-124.**

The table below shows the design wind speed for various module tilt angles and maximum snow loads. The yellow cells require the HLKT-124 High Load Kit and larger footings. The blue cell, when using 72 cell modules, require the HLKT-124 High Load Kit, and larger footings. If the mount will be used at a 50 or 60 tilt angle, a schedule 80 mouning pole is required. If the wind speed or snow load you are expecting is in yellow, the footing size in the table at the bottom of the previous page on the yellow line should be used.

| LTP-LCR/124HW Wind and Load Data   |                   |           |                  |          |          |          |          |          |
|--|-------------------|-----------|------------------|----------|----------|----------|----------|----------|
| TILT ANGLE   | Design Wind Speed |           | Ground Snow Load |          |          |          |          |          |
|  | ASCE 7-10         | ASCE 7-05 | 0 psf            | 10 psf   | 20 psf   | 30 psf   | 40 psf   | 50 psf   |
|  | MPH               | MPH       |                  |          |          |          |          |          |
| 0°   | 110               | 85        | 60 or 72         | 60 or 72 | 60 ONLY  |          |          |          |
|  | 115               | 89        | 60 or 72         | 60 or 72 |          |          |          |          |
|  | 120               | 93        | 60 or 72         | 60 or 72 |          |          |          |          |
|  | 130               | 100       | 60 ONLY          | 60 ONLY  |          |          |          |          |
| 10°  | 110               | 85        | 60 or 72         | 60 or 72 |          |          |          |          |
|  | 115               | 89        | 60 or 72         | 60 or 72 |          |          |          |          |
|  | 120               | 93        | 60 ONLY          | 60 ONLY  |          |          |          |          |
|  | 130               | 100       | 60 ONLY          | 60 ONLY  |          |          |          |          |
| 20°  | 110               | 85        | 60 or 72         | 60 or 72 | 60 or 72 | 60 ONLY  |          |          |
|  | 115               | 89        | 60 ONLY          | 60 ONLY  | 60 or 72 |          |          |          |
|  | 120               | 93        | 60 ONLY          | 60 / 72  | 60 ONLY  |          |          |          |
| 30°  | 110               | 85        | 60 or 72         | 60 or 72 | 60 or 72 | 60 or 72 |          |          |
|  | 115               | 89        | 60 ONLY          | 60 ONLY  | 60 or 72 | 60 ONLY  |          |          |
|  | 120               | 93        | 60 ONLY          | 60 or 72 | 60 or 72 |          |          |          |
| 40°  | 110               | 85        | 60 ONLY          | 60 ONLY  | 60 or 72 | 60 or 72 | 60 or 72 |          |
|  | 115               | 89        | 60 ONLY          | 60 or 72 | 60 or 72 | 60 or 72 |          |          |
|  | 120               | 93        | 60 ONLY          | 60 or 72 | 60 or 72 | 60 or 72 |          |          |
|  | 130               | 100       | 60 ONLY          | 60 or 72 | 60 or 72 |          |          |          |
| <b>6-inch schedule 80 mounting pole required for tilt angles below this line</b> |                   |           |                  |          |          |          |          |          |
| 50°  | 110               | 85        | 60 or 72         | 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 or 72 | 60 ONLY  | 60 ONLY  |
|  | 120               | 93        | 60 ONLY          | 60 ONLY  | 60 ONLY  | 60 ONLY  | 60 ONLY  |          |
| 60°  | 110               | 85        | 60 or 72         | 60 or 72 | 60 or 72 | 60 or 72 | 60 or 72 | 60 or 72 |
|  | 115               | 89        | 60 or 72         | 60 or 72 | 60 or 72 | 60 or 72 | 60 or 72 | 60 or 72 |
|  | 120               | 93        | 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. Color of row at any given angle must match the color of the design wind speed and snow load cell you are using.

| Footing Depths in Feet |     |         |      |         |      |
|------------------------|-----|---------|------|---------|------|
| Soil Type              |     | Class 5 |      | Class 4 |      |
| Footing Diameter       |     | 18"     | 30"  | 18"     | 30"  |
| TILT ANGLE             | 0°  | 4.00    | 3.50 | 3.50    | 3.00 |
|                        | 10° | 4.50    | 3.75 | 4.00    | 3.25 |
|                        | 20° | 6.00    | 5.00 | 5.25    | 4.25 |
|                        | 20° | 7.50    | 6.00 | 6.25    | 5.25 |
|                        | 30° | 8.25    | 6.50 | 7.00    | 5.75 |
|                        | 30° | 9.25    | 7.75 | 8.00    | 6.75 |
|                        | 40° | 7.50    | 6.25 | 6.50    | 5.25 |
|                        | 40° | 10.00   | 8.25 | 8.75    | 7.25 |
|                        | 50° | 11.25   | 9.00 | 9.50    | 7.75 |
|                        | 60° | 11.75   | 9.50 | 10.00   | 8.00 |