

Polar Bear Universal Support Quick Install Guide

1

Check the delivery



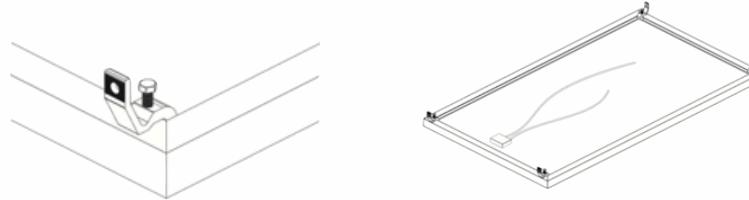
High Supports (one pcs) pre-installed, Low Supports **two parts** to be fitted together



Claws 4 pcs per Module, nuts & bolts

2

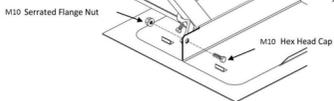
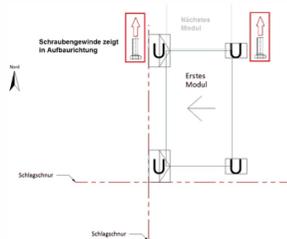
Start with the installation attach the claws to the flange of the underside of the module frame in each corner of the short side, tighten the pre- installed bolt of the Claw and ensure that the claws sits tight and nicely attached in the corner of the frame (see picture below)



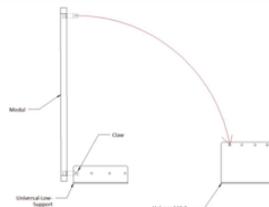
3

Mark the array perimeter using chalk line or a similar method. Check Ballast layout for dimensions and support placement as well as ballast requirements. Now check the proper distance between the supports in north south direction and place the supports on the roof membrane. Start with the first row of low supports (always put two pieces together) then place the matching number of high supports on the roof. Begin attaching modules to supports moving from north to south (or south to north) Attach the module to the inside of the low end of the first two low supports, by inserting a M10 x30 hex head cap screw through the hole in the Claw and the Support. Ensure that the hex head cap screws are inserted into the Support mounting holes so the threaded end of each hex head cap screw faces the next Support to be installed (to the south). A M10 serrated flange nut should then be finger tightened on the northern-most Support only to initially secure the module (Fig. A). Now tilt (Fig B) the module down and fix it the same way on one end of the high support. Again make sure you are using the right mounting hole configuration. Continue with the installation by completing the first row in north south direction or in east west direction (fig C) - in this case the next module is attached on the open mounting hole of the high support (check the correct mounting hole configuration). You can place the necessary ballast (Fig D) on the supports when one row is completed. Continue this process

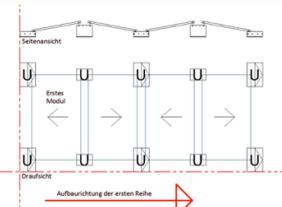
A



B



C



D

