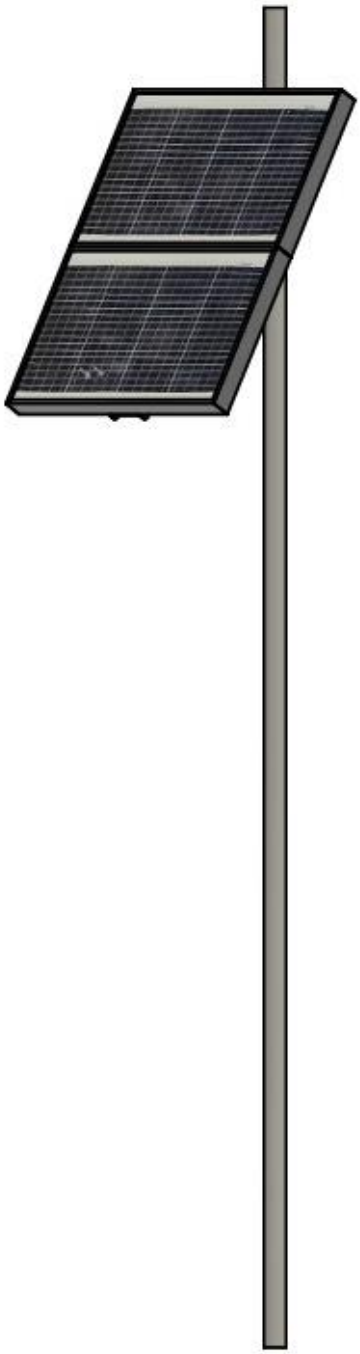
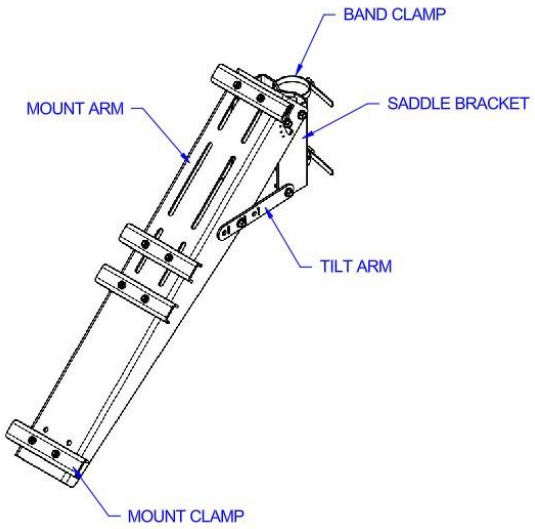
Document #310373

PVK Installation Manual
2 Module, Side of Pole Mounted
270613/270615



Mount Specifications

PVK Part #	Mount	Rail Length	Pipe Size Diameter (SCH 40)	Module Qty. (Small Format)
270613	Single Arm, Side of Pole	27in	2-4in	2
270615	Single Arm w/ Extension, Side of Pole	32.4in	2-4in	2

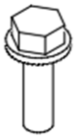


Array Specification

PVK Part #	Module	Qty	Voltage	Wattage	Output Cable	Output Cable Length
270613	SWPB-12-20 12V, 20W, UL, C1D2	2	12V	40W	Tray Cable #14/2AWG, Red/Black	15.5ft
270615	SWPB-12-30 12V, 30W, UL, C1D2	2	12V	60W	Tray Cable #14/2AWG, Red/Black	15.5ft

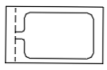
Pole Mounting Hardware

2x ¼" Flange Bolt



2x ¼" Flange Nuts

1x Anti-Seize Packet

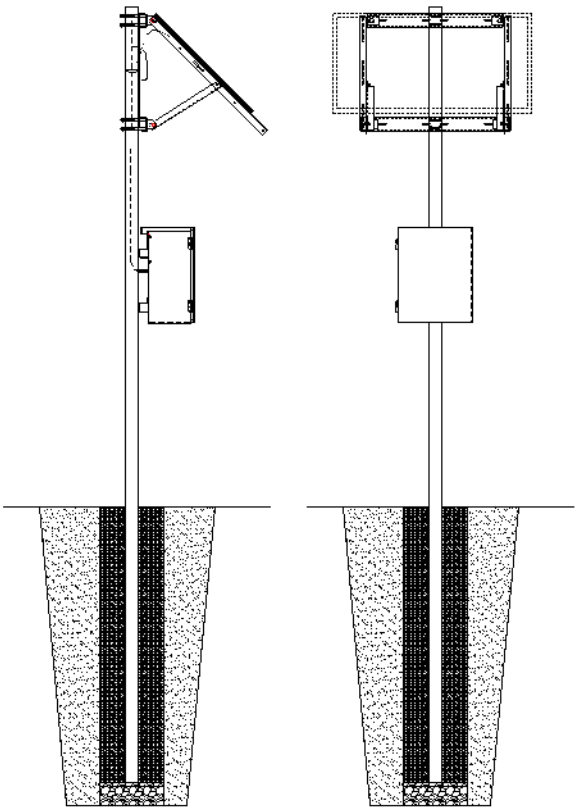


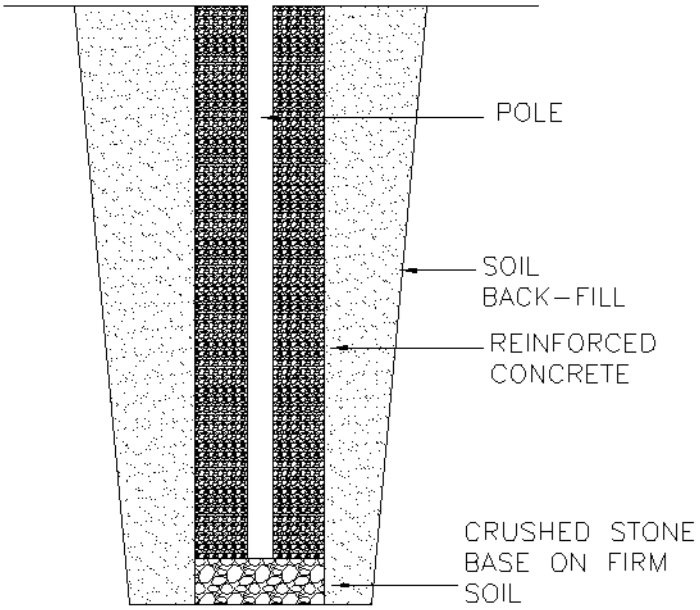
Hardware Note:

- Apply anti-seize to all hardware to prevent galling
- 1 ft-lb = 12 in-lb = 1.36 Nm

Pole Mount Site Preparation

- The pole used to support the PV array must be designed per the local soil conditions to meet the following minimum requirements:
    - Array area based at tilted angle
    - Typical sustained wind speed per the recommended local building code.
- The pole is to be seated against a firm crushed stone base, on firm compacted soil a minimum of 6” below the frost line encased in reinforced concrete per ASTM standards.
- The pole is to be level and plumb.
- Pole diameter and wall thickness sized to withstand array forces without damage.
- Ensure mount and module point due south in northern hemisphere, or due north in southern hemisphere.



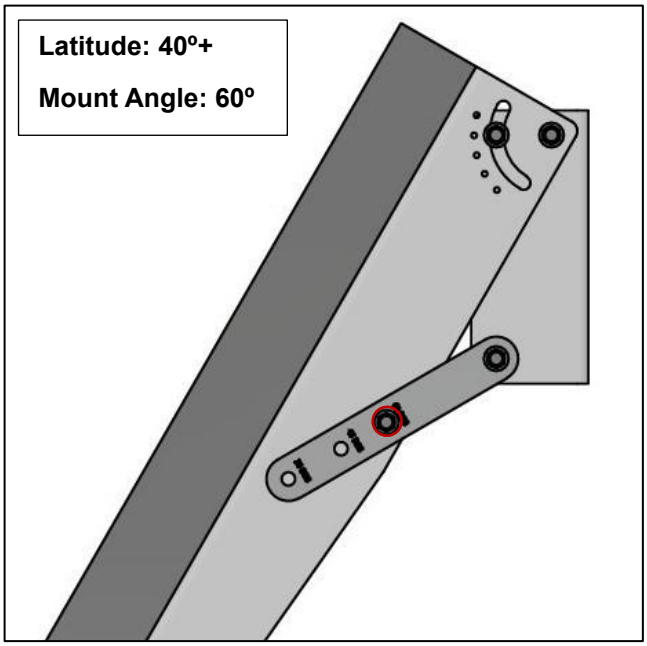


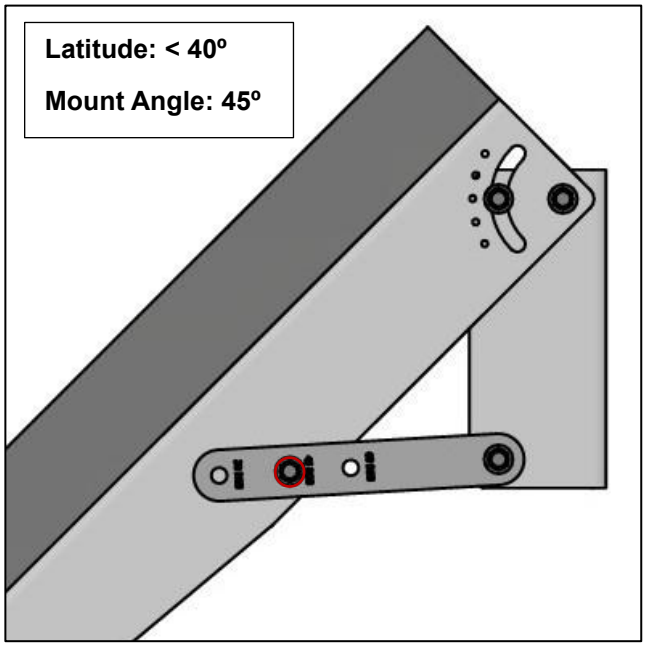
Kit Installation

1. Based on the latitude of the installation site, determine the required mount angle.

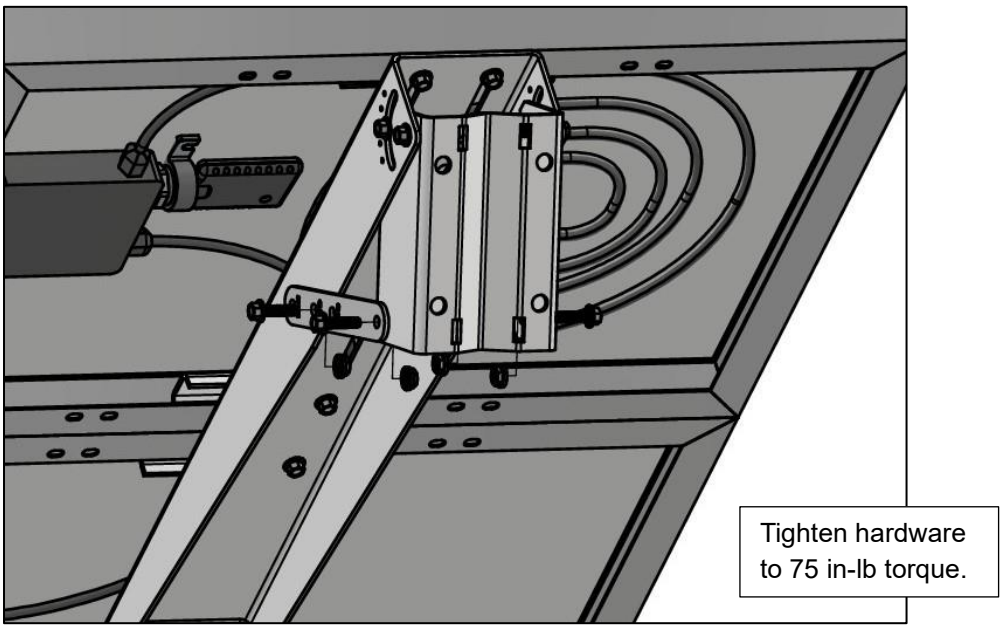
Site Latitude	Mount Angle
40º & higher	60º
Less than 40º	45º

2. Locate the mounting hole on the tilt arm that corresponds to your required mount angle. Line up this hole with the hole on the mount arm



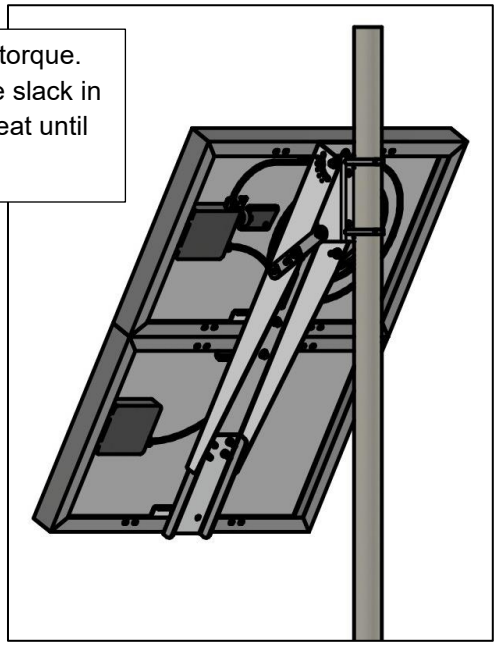


3. Secure the tilt arm in place with the hardware provided. Then repeat on the opposite side.



4. Mount the kit to your pole using the included band clamps. Note that your solar connection cable is 15.5 feet long. Make sure you have enough length to reach your system when determining the height of your modules.

Tighten band clamps to 4-5 ft-lb torque. Wiggle saddle bracket to remove slack in band clamps and retighten. Repeat until clamps are snug.



5. Your kit is now installed and ready to be connected. Reference your system instructions for correct electrical wiring.