

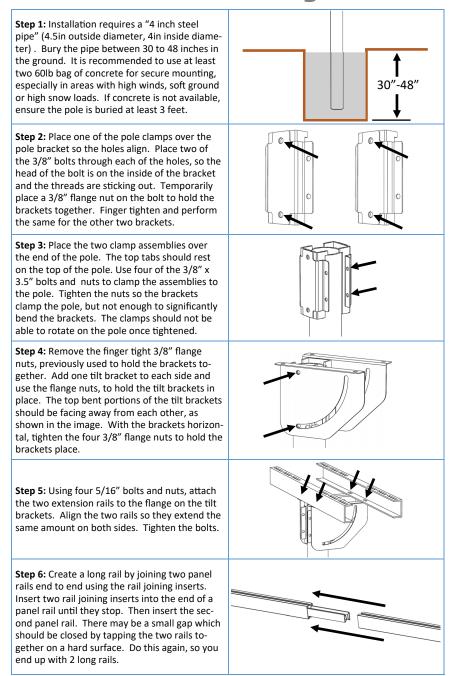


Four Panel Top of Pole Adjustable Mount RPS-TPM-4

Kit Contents

Item	Qty	Image				
Pole Bracket	2					
Pole Clamp	2					
Tilt Bracket (left and right)	2					
Extension Rail	2					
Panel Rail	4					
Rail Joining Inserts	4					
Panel End Clamp w/Short Socket Head Bolt and Nut	4					
Panel Mid Clamp w/ Long Socket Head Bolt and Nut	6					
5/16"-18 x 3.5" Hex Bolt	4					
5/16"-18 x 3/4" Hex Bolt	8					
5/16" Hex Nut	12					
3/8"-16 x 3/4" Hex Bolt	4					
3/8"-16 Flange Nut	4					

Assembly



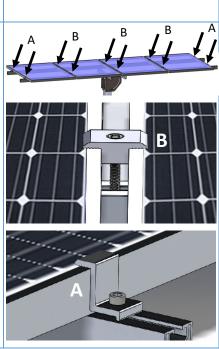
Step 7: Bolt the panel rails to the extension rails using four 5/16" nuts and bolts. The bolt heads must be slid in the end of the panel rails. Squeeze the bolts in-between the rail and the end of the slot to help hold the in place when tightening the nuts. Space the rails about 19" apart (or about 1/4 the way in from the edge of your panel). Make sure the rails are parallel.



Step 8: With a helper, lift one solar panel and set it on the rail. Starting with an end clamp, bolt and T-Hammer nut (which can insert and lock in the rail slots, or slide down the length of the rail) secure the end of the first panel (A). Add the second panel and secure the first and second with a mid clamp (B). Continue adding one panel at a time until all panels are secured.

Note: Make sure the center hammer nut does not land on top of the rail splice. Offset any bolts from splice by at least 0.5in.

Tighten all bolts and use the flange nuts to adjust to the appropriate angle.



Solar Panel Angle

	Option 1: Fixed Position		Option 2: Seasonal Change*		
Latitude	Full year fixed	Avg. insolation	Summer	Winter	Avg. insola-
	angle		Angle	Angle	tion
25° (Key West)	22.1°	6.2	2.3°	41.1°	6.6
30° (Houston)	25.9°	6.1	6.9°	45.5°	6.4
35° (Albuquerque)	29.7°	6.0	11.6°	49.8°	6.2
40° (Denver)	33.5°	5.7	16.2°	54.2°	6.0
45° (Minneapolis)	37.3°	5.4	20.9°	58.6°	5.7
50° (Winnipeg)	41.1°	5.1	25.5°	63°	5.3

^{*}Adjust Summer angle on March 30th, Adjust Winter angle on September 12th

Need Help? Don't worry!

Watch our installation video at https://youtu.be/4ZxA8AQPG00

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