

# RAQ SETTINGS / ADJUSTMENTS - PER PV PANEL DIMENSIONS

The **RAQ** is a universal PV Panel Racking System with adjustable settings for a variety of PV Panel lengths, widths and thicknesses. The following tables *recommend* settings to **RAQ RAIL SPACER** - to accommodate various PV Panel lengths, *Dead Stop* position for **RAQ PANEL CLAMP** at **RAQ END BRACKET** and **RAQ PANEL CLAMP / SPACER** orientation to accommodate various PV Panel widths. The **RAQ END CLAMP ADAPTER** table specifies the **REQUIRED** adapter applicable to PV Panel thickness.

## Recommended **RAQ RAIL SPACER**

Panel Length (Range)		<b>RAQ RAIL SPACER</b>
inch	mm	
62" - 66-1/4"	1,575 - 1,682	STANDARD
75" - 80-1/4"	1,905 - 2,040	EXTENDED

Bearing range of **RAQ** Rails (*width between Upper & Lower Rails*) are adjusted by extending the 2 position **RAQ RAIL SPACER**

## Required **RAQ END CLAMP ADAPTER**

PV Panel Thickness	inches	1.97"	1.85"	1.81"	1.77"	1.65"	1.57"	1.38"
	mm	50	47	46	45	42	40	35

<b>RAQ END CLAMP ADAPTER</b>	Symbol	A	B	B	B	C	C	D
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Panel Clamps at each end of any Panel Row require insertion of **RAQ END CLAMP ADAPTERS**  
 PV Panels of various thicknesses require specific **RAQ END CLAMP ADAPTER** per table above.

## Overall **RAQ** Length - Number Of Continuous, Uniformly Spaced PV Panels per Panel Row

Total Number PV Panels / Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Total <b>RAQ</b> Rail Length - inches	44.625	84.625	124.625	164.625	204.625	244.625	284.625	324.625	364.625	404.625	444.625	484.625	524.625	564.625	604.625	644.625	684.625	724.625
Total <b>RAQ</b> Rail Length - mm	1,133	2,149	3,165	4,181	5,197	6,213	7,229	8,245	9,261	10,277	11,293	12,309	13,325	14,341	15,357	16,373	17,389	18,405

When **RAQ** is correctly installed, with all longitudinal Rail-to-Rail and End Bracket-to-Rail connections tight and secure, the length of the finished **RAQ** system will equal measurement corresponding to the number of continuous PV Panels per table above at approx. 70° ambient temperature.

