



SunEarth

REXRACK

MOUNTING SYSTEM **SPECIFICATION SHEET**

Applications



Solar Water Heating



Solar Pool Heating



Technical Details:

RexRack	
Support Struts/Legs:	AISI 6063 T6 Anodized Aluminum
Mounting Fasteners:	AISI 304 Stainless Steel
Collector Tilt Angle:	20° to 60° from Horizontal
Upper Support Strut:	20% of Collector Length
Lower Support Strut:	6" to 20% of Collector Length
Lower Leg:	90° or 70° To Collector
Coating:	Commercial Bronze and Clear
Warranty:	5 Years Finish/10 Years Parts

ENGINEERING SPECIFICATIONS

INSTALLATION:

Designed for collectors mounted in portrait orientation only. Collectors tilt angle between 20° and 60° from horizontal. Upper support strut to be installed 20% of collector length from the upper short end. Lower support strut to be installed no less than 6 inches from the lower short end. The rear leg is to be no less than 70° and no more than 90° in respect to the collector.

MATERIALS:

Support Struts and legs shall be constructed of AISI 6063 T6 anodized aluminum with collector connection interfaces consisting of an integral channel as to allow flexibility of collector position laterally. Mounting fasteners shall be constructed of AISI 304 stainless steel with all bolt assemblies including a mechanical fastener lock. Mounting shall allow collectors to be affixed without intrusion of the collectors casing.

Application:

Mounting shall be adjustable as to allow collector tilt angles, from horizontal, between 20° and 60°. Mounting shall allow collectors to be installed in a portrait orientation allowing easy alignment of the collector headers.

RexRack will resist the tabulated loads on supported collector(s), [uplift,downforce] **FOS 1.5**

		Tilt Angle From Horizontal [lbs/ft ²]								
Collector Dimensions:		15°	20°	25°	30°	35°	40°	45°	50°	55° 60°
122.2" x 48.2"①		78,112	78,112	78,112	78,112	78,109	78,97	78,88	73,81	73,76 73,70
98.2" x 48.2"②		97,140	97,140	97,140	97,140	97,135	97,121	97,110	91,101	91,94 91,87
80.2" x 48.2"③		134,192	134,192	134,192	134,192	134,192	134,177	134,161	134,149	134,139 129,131
98.2" x 36.2"④		129,185	129,185	129,185	129,185	129,180	129,161	129,146	121,135	121,126 121,117
76.2" x 40.2"⑤		151,216	151,216	151,216	151,216	151,209	151,186	151,169	141,156	141,146 141,135

①Panels: TRB-40, EP-40 and SB-40.
②Panels: TRB-32, EP-32 and SB-32.
③Panels: TRB-26.

④Panels: EP-24 and SB-24.
⑤Panels: EP-21.

Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.



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8425 Almeria Avenue Fontana, CA 92335
(909) 434-3100, Fax (909) 434-3101
www.sunearthinc.com

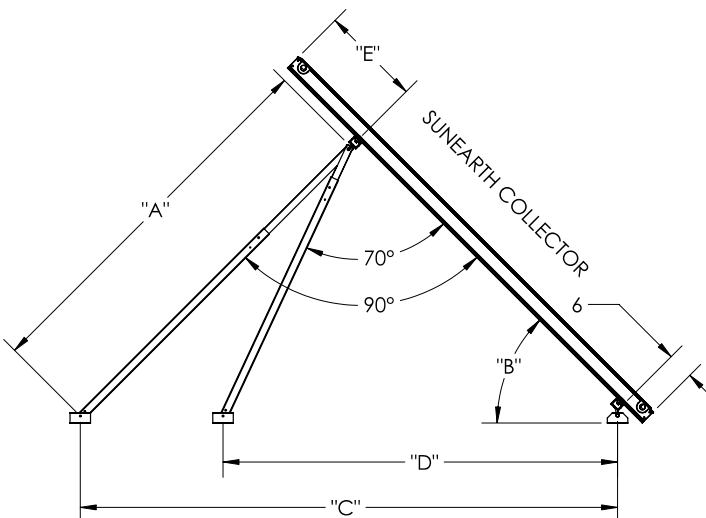
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Tilt Angle Dimensions:

Collector Gross Dimensions (LxW) 122.2" x 48.2", E: 24.5" ①					Collector Gross Dimensions (LxW) 98.2" x 48.2", E: 19.7" ②				
Tilt°	Leg Angle 90°		Leg Angle 70°		Tilt°	Leg Angle 90°		Leg Angle 70°	
B	A	C	A	D	B	A	C	A	D
20	33.4	97.6	31.4	86.2	20	26.4	77.2	24.8	68.1
25	42.8	101.2	38.9	86.5	25	33.8	80.0	30.8	68.4
30	52.9	105.9	46.6	87.5	30	41.9	83.7	36.8	69.2
35	64.2	111.9	54.5	89.2	35	50.8	88.5	43.1	70.5
40	76.9	119.7	62.7	91.7	40	60.8	94.6	49.6	72.5
45	91.7	129.7	71.5	95.1	45	72.5	102.5	56.6	75.2
50	-	-	81.1	99.5	50	86.4	112.8	64.1	78.7
55	-	-	91.7	105.2	55	-	-	72.5	83.2
60	-	-	103.7	112.5	60	-	-	82.0	88.9

Collector Gross Dimensions (LxW) 80.2" x 48.2", E: 16" ③					Collector Gross Dimensions (LxW) 98.2" x 36.2", E: 19.7" ④				
Tilt°	Leg Angle 90°		Leg Angle 70°		Tilt°	Leg Angle 90°		Leg Angle 70°	
B	A	C	A	D	B	A	C	A	D
20	21.2	61.9	19.9	54.7	20	26.4	77.2	24.8	68.1
25	27.1	64.2	24.7	54.9	25	33.8	80.0	30.8	68.4
30	33.6	67.2	29.5	55.5	30	41.9	83.7	36.8	69.2
35	40.8	71	34.6	56.6	35	50.8	88.5	43.1	70.5
40	48.8	76	39.8	58.2	40	60.8	94.6	49.6	72.5
45	58.2	82.3	45.4	60.3	45	72.5	102.5	56.6	75.2
50	69.4	90.5	51.5	63.2	50	86.4	112.8	64.1	78.7
55	83.1	101.5	58.2	66.8	55	-	-	72.5	83.2
60	-	-	65.8	71.4	60	-	-	82.0	88.9



Collector Gross Dimensions (LxW) 76.2" x 40.2", E: 14" ⑤				
Tilt°	Leg Angle 90°		Leg Angle 70°	
B	A	C	A	D
20	18.3	53.4	17.2	47.2
25	23.4	55.4	21.3	47.4
30	29.0	58.0	25.5	47.9
35	35.2	61.3	29.8	48.8
40	42.1	65.5	34.3	50.2
45	50.2	71.0	39.2	52.0
50	59.8	78.1	44.4	54.5
55	71.7	87.5	50.2	57.6
60	86.9	100.4	56.8	61.6

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