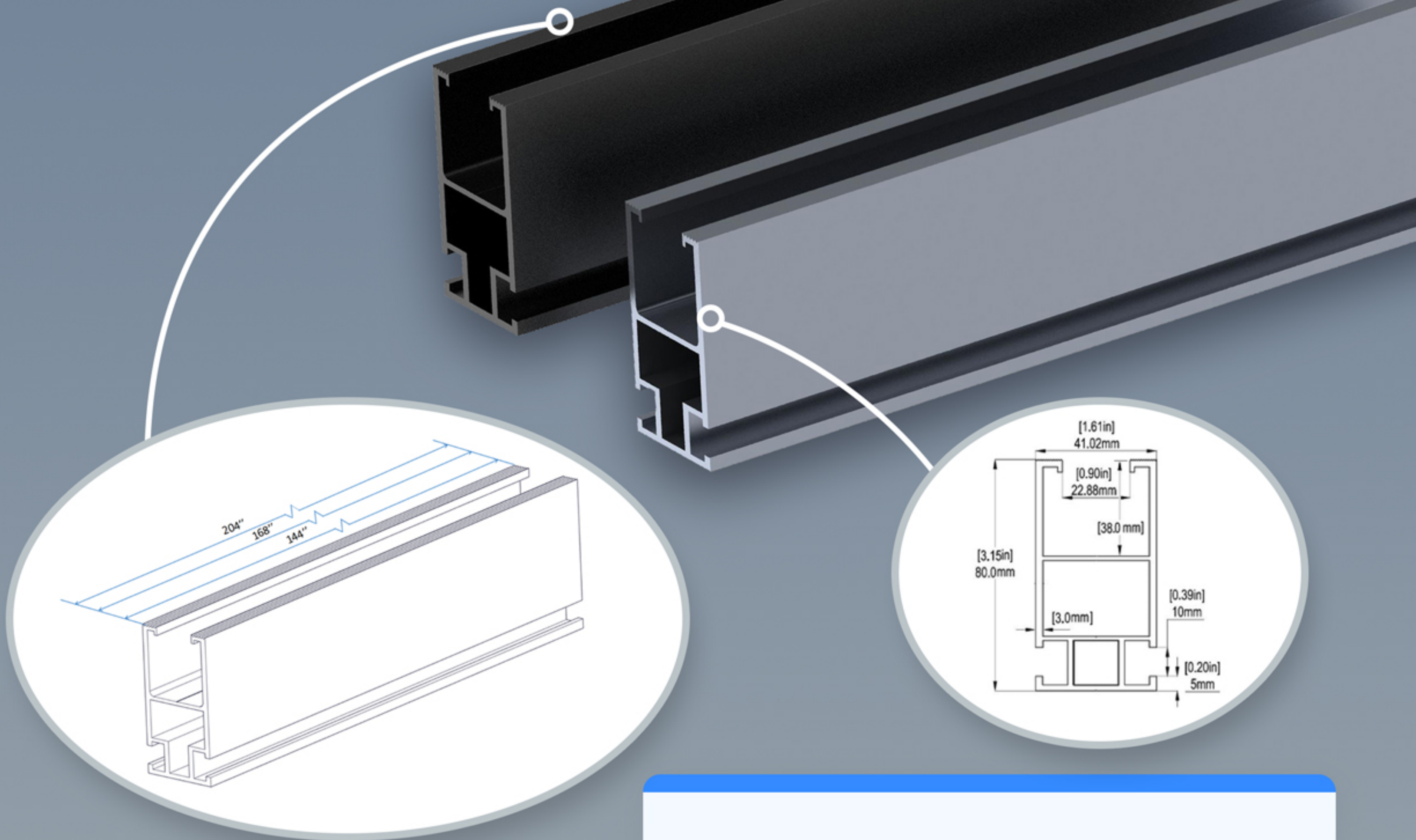


HEAVY DUTY RAIL



HEAVY DUTY STRENGTH

Dual Rack Heavy Duty Rail is meticulously tailored for solar PV arrays across residential, commercial, and utility projects. Crafted with precision, Dual Rack anodized Heavy Duty Rails are the epitome of strength and durability, rigorously tested to confidently span up to twelve feet. Adding to the efficiency, pre-stamped engineering letters are available for PV-friendly states, facilitating a seamless permit acquisition process. Installers across the industry favor Dual Rack Heavy Duty Rails for their unwavering strength, reliability, and time-saving attributes. As the market's best-priced solution, Dual Rack Heavy Duty Rails redefine excellence in solar racking, providing robust support for projects of every scale.



ADVANTAGES AND HIGHLIGHTS

- Advanced Dual Rack Design
- PE Certified in Multiple States
- Installation Simplicity
- Time and Cost Savings
- Efficient Design
- Versatile Installation
- User Friendly
- Multiple Size Options and Aesthetics
- 20-year Limited Warranty
- Conforms to UL STD 2703
- ETL Certified
- Class A Fire Rated



RAIL SELECTION AND SPAN CHART

Product Line	
Item #	Product Name
HD-144-C	Heavy Duty Rail 144" - Clear
HD-168-C	Heavy Duty Rail 168" - Clear
HD-204-C	Heavy Duty Rail 204" - Clear
HD-144-B	Heavy Duty Rail 144" - Black
HD-168-B	Heavy Duty Rail 168" - Black
HD-204-B	Heavy Duty Rail 204" - Black

Ordering Specifics	
Standard Package	6 pcs/bundle
Dimension	144"/ 168"/ 204"
Weight	1.03 lbs/ft

**Special order for 144" in the US.*

Rail Span (ft¹)										
Exposure B	Ultimate wind speed V (mph)	Rail Type	Max Span Length (In.) Roof Wind Pressure Zone 1 Roof Snow Load (psf)							
			0	10	20	30	40	50	60	70
Roofs 0° to 7°	110	HD	145	133	122	111	97	88	80	75
		STD	116	107	94	81	71	64	59	54
		LTE	95	86	76	67	59	53	48	45
	115	HD	145	133	122	111	97	88	80	75
		STD	116	107	94	81	71	64	59	54
		LTE	95	86	76	67	59	53	48	45
	120	HD	145	133	122	111	97	88	80	75
		STD	116	107	94	81	71	64	59	54
		LTE	90	86	76	67	59	53	48	45
	130	HD	145	133	122	111	97	88	80	75
		STD	112	107	94	81	71	64	59	54
		LTE	85	85	76	67	59	53	48	45
	140	HD	142	133	122	111	97	88	80	75
		STD	104	104	94	81	71	64	59	54
		LTE	80	80	76	67	59	53	48	45
	150	HD	134	132	121	111	97	88	80	75
		STD	97	97	92	81	71	64	59	54
		LTE	77	77	76	67	59	53	48	45

A. The table above ONLY includes Dual Rack rail capacity. It does not include roof attachment of roof capacity check.
 B. Structural risk category per ASCE/SEI 7-16. C. Wind exposure: B, C, D. Roof wind pressure region: Zone 1, Zone 2 & Zone 3.
 D. Maximum mean roof height is 45 ft. E. Seismic design category: A through E. F. Roof pitch is between 0 degree and 55 degree.
 G. Maximum solar panel weight is 50 lbs. H. Height of solar panel is between 2" and 10" to roof.
 *See Exposure C and D, zone 1 & 2 & 3 span table calculation details in Installation Manual/P.E. certification.

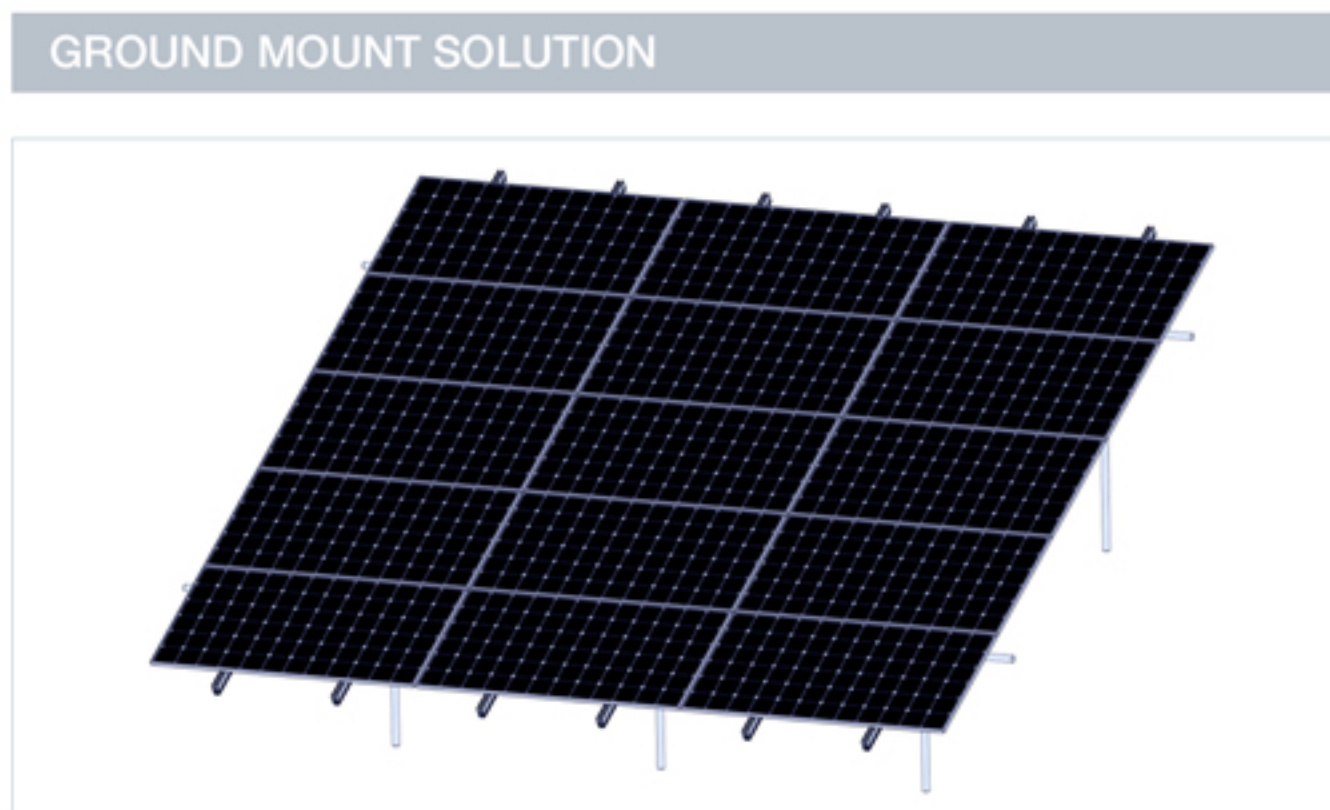
INSTALLATION GUIDE

**For detailed instructions please refer to the Dual Rack installation guide*

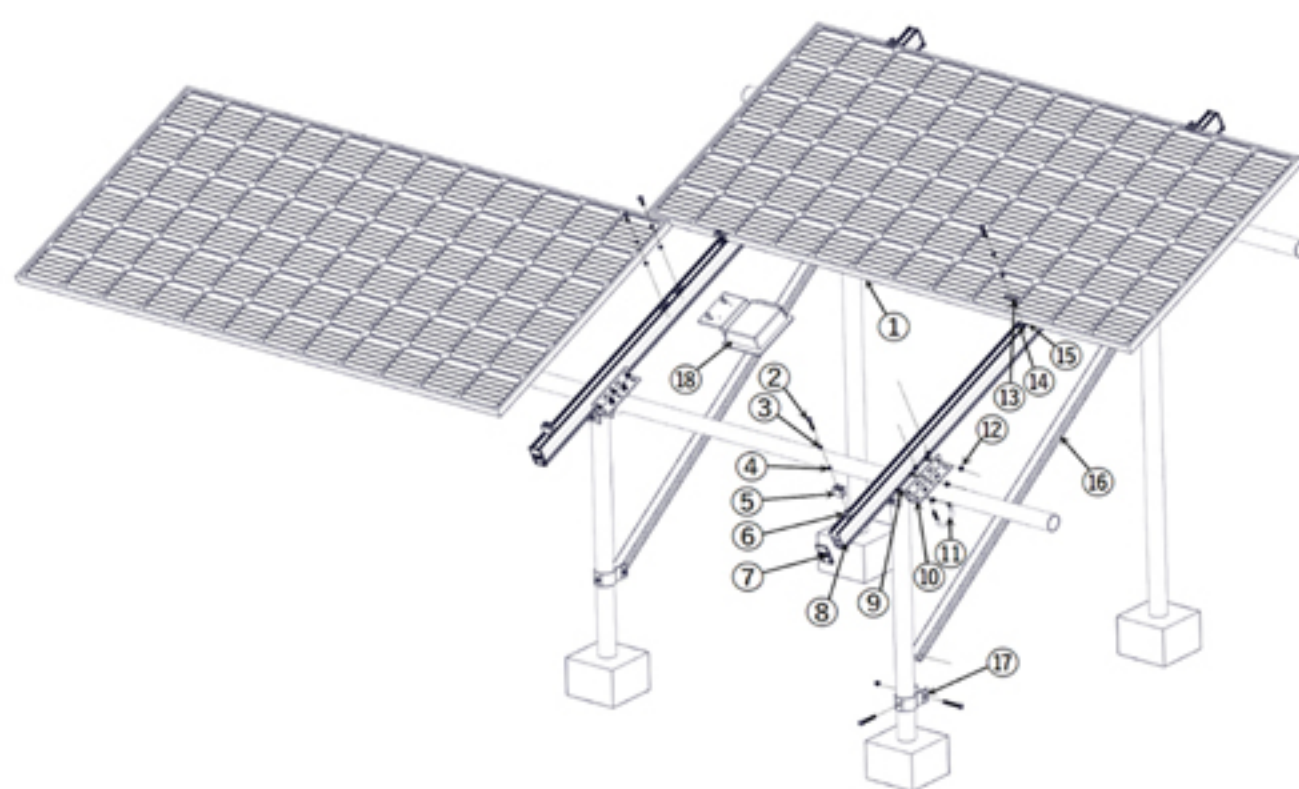
Dual Rack provides robust, long-life photovoltaic (PV) module mounting system solutions for both roof mount and ground mount PV projects. The DR Heavy Duty rail is one of the strongest mounting rails in the market and the most competitively priced. Pre-stamped structural certification is available in most states. Installation is simple and fast, which ensures lower installation costs. Dual Rack allows modules to be mounted in both landscape and portrait orientations.





















Designed for seamless integration into residential and commercial rooftops, our solar roof mount combines aesthetic appeal with high-performance functionality. Experience the power of solar energy without compromising the architectural integrity of your structure. Dual Rack's Solar Roof Mount is the pinnacle of efficiency, bringing sustainable energy solutions to new heights.



Engineered for durability and ease of installation, our ground mount solution is the ideal choice for commercial and utility-scale solar projects. With versatility in mind, Dual Rack's Ground Mount provides a solid foundation for harnessing solar energy on a grand scale.



- | | | | |
|---|----------------------------|---|-------------------------|
|  | ① Solar Panel |  | ⑩ Pipe to Rail Adapter |
|  | ② Dual Hex Bolt |  | ⑪ U Bolt |
|  | ③ Lock Washer |  | ⑫ Flange Nut |
|  | ④ Flat Washer |  | ⑬ Mid Clamp Top |
|  | ⑤ Universal End Clamp Top |  | ⑭ Channel Strut Base |
|  | ⑥ Universal End Clamp Base |  | ⑮ Channel Strut Floater |
|  | ⑦ Heavy Duty Rail End-Cap |  | ⑯ Brace Bar |
|  | ⑧ Heavy Duty Rail |  | ⑰ Slider Bracket |
|  | ⑨ T-Bolt |  | ⑱ Inverter |

* End Clamp, Mid Clamp and Channel Strut are pre-assembled and can be detached as top, base and other accessories such as washer and floater showing in the installation guide.



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