POWER RAIL™
Commercial Mounting System
XD/UD and LD/MD Rails
PV module mounting system is engineered for longer span and cantilever distances for commercial roof top or open structure applications.

The POWER RAIL commercial mounting system is designed with the professional PV solar installer in mind. Both the XD/UD and LD/MD rails feature single tool assembly with the revolutionary patented RAD™ Lock-in-Place bolt for fast and secure module clamping.

The high strength marine-grade aluminum rails include an integral wiring channel for securing cables and providing a professional finish.

### Mounting Rail Options*
- **XD/UD Rail**: Designed to save cost on commercial & shade structure applications
- **LD/MD Rail**: Engineered for long span commercial & shade structure applications

*Reference Rail Span and Cantilever Charts located at [www.preformed.com](http://www.preformed.com).

### Reliable
- Engineered rail profiles for maximum strength-to-weight ratio
- Structural Aluminum rigid rail construction
- High Strength stainless steel module clamps and hardware
- UL2703 Code Compliant

### Quick Assembly
- Longer spans/cantilevers – fewer attachments
- Single tool assembly
- RAD bolt for quick and secure clamp placement
- Integral wiring channel for securing cables
- Rail lengths up to 40 feet – less splices
- Integrated grounding

### Standard Rail Lengths

<table>
<thead>
<tr>
<th>Length</th>
<th>XD Part #</th>
<th>UD Part #</th>
<th>LD Part #</th>
<th>MD Part #</th>
</tr>
</thead>
<tbody>
<tr>
<td>242&quot;</td>
<td>XD-242</td>
<td>UD-242</td>
<td>LD-242</td>
<td>MD-242</td>
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<td>282&quot;</td>
<td>XD-282</td>
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</tbody>
</table>

Rail with mounting bracket
POWER RAIL™ Commercial Mounting System – XD/UD and LD/MD Rails

**AMP™ Mid Clamp with RAD™ Bolt Hardware**
- Eliminates the need for a separate bonding washer
- Twist in anywhere along rail channel - avoid sliding bolts
- Visual indicator of bolt orientation
- “D” hold on mating clamp locks bolt from rotating back out
- Tight 3/8” module spacing
- High Strength stainless steel clamp and bolt

**XD/UD, LD/MD Splice Plate Kits and Mounting Brackets**
- Splice Plate installs quickly with self cutting screws provided
- Rail Clamp swivels for easier rail placement
- Universal Mounting Base Bracket - XD/UD, LD/MD Rail

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XD-SPK</td>
<td>Splice Kit - XD Rail</td>
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<tr>
<td>UD-SPK</td>
<td>Splice Kit - UD Rail</td>
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<tr>
<td>LD-SPK</td>
<td>Splice Kit - LD Rail</td>
</tr>
<tr>
<td>MD-SPK</td>
<td>Splice Kit - MD Rail</td>
</tr>
<tr>
<td>MBB-LD-MD</td>
<td>LD/MD Mounting Base Bracket</td>
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<tr>
<td>MBB-XD-UD</td>
<td>XD/UD Mounting Base Bracket</td>
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<tr>
<td>MBB-GC</td>
<td>Grounding Washer for MBB-LD-MD Base Bracket</td>
</tr>
</tbody>
</table>

Refer to the Power Rail Catalog at www.preformed.com for other mounting rails, roof attachments and clamping options.
Commercial Installations

Lay down rail, then rotate rail clamp 180-degrees

XD/UD or LD/MD Module Rail
Flange Nut
Mounting Base Bracket
Bonding Clip
Purlin or other structural member