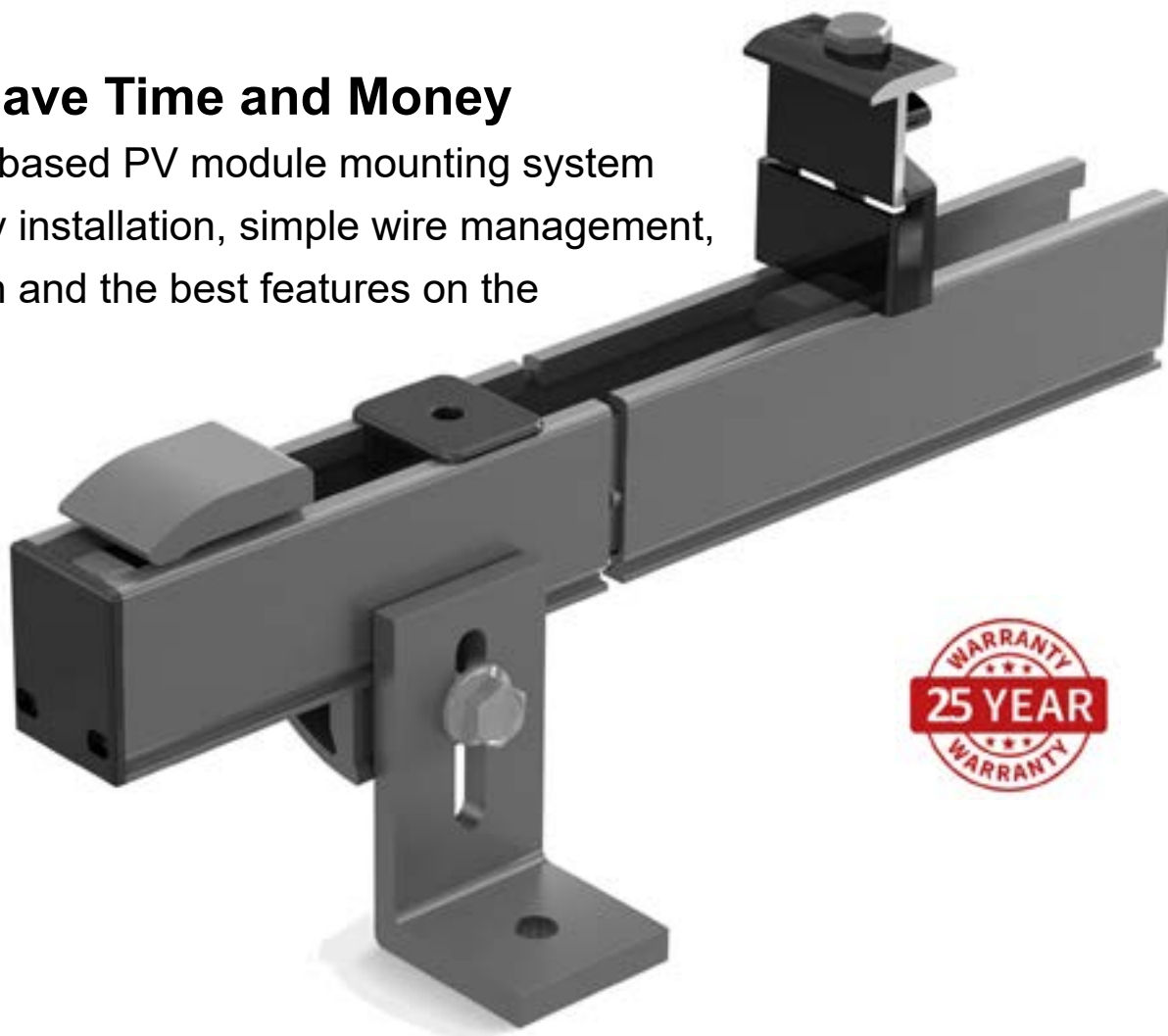


FLUSH MOUNT RAIL SYSTEM

Save Time and Money

Low-cost rail-based PV module mounting system provides easy installation, simple wire management, great strength and the best features on the market



- Best Wire Management** - PV cables and wiring for module-level electronics fits inside rails to avoid time consuming wire management.
- Use Any Roof Attachments** - Our rails mount to QuickBolt, QuickMount, FlashFoot, S-5 or any roof attachment that can be used with a 5/16 inch bolt.
- One Wrench Size** - Install with ease and minimal tools. A 1/2-inch socket fits all fasteners.
- UL 2703 Listed** - All components meet the UL standards and have a Class A Fire Rating for Type 1 and 2 modules.
- PE Certified** - Pre-stamped engineering letters available for most states.

Tamarack Flush Mount Rail System is the perfect mix of strength and economy

Two Rail Sizes to Meet Most Design Needs

1.6-inch Rail

Use this rail for attractive, low profile mounting in areas with light or no snow load. Use with spans of up to 6-feet at 140 MPH wind and no snow and up to 180 MPH wind with 4-foot spacing. Maximum load is 40 PSF snow load at 180 MPH.

2.3-inch Rail

Use this rail heavysnow loads and longer spans. Use with spans of up to 6-feet at 160 MPH wind and up to 40 PSF snow load with 4-foot spacing. Maximum load capacity is 120 PSF at 180 MPH wind with 2-foot spacing.



Rail Selection Table

The table at right is derived from a structural analysis prepared by a Professional Engineer. The rail spans are based on ASCE 7-10 code in roof zone 1, Exposure Class B, Building height up to 15 feet and Roof Slope of 28° to 45°. For other criteria please rerquest our structural analysis, available with a PE stamp for most states.

| Load | | Rail Span (inches) | | | | |
|------------|------------|--------------------|-----|-----|-----|-----|
| Snow (PSF) | Wind (MPH) | 24 | 48 | 60 | 72 | 84 |
| 0 | 100 | 1.6 | | | 2.3 | 2.3 |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 20 | 100 | 1.6 | | 2.3 | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 30 | 100 | 1.6 | | 2.3 | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 35 | 100 | 1.6 | 2.3 | | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 40 | 100 | 1.6 | 2.3 | | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 50 | 100 | 1.6 | 2.3 | | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 60 | 100 | 1.6 | | | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |
| 120 | 100 | 2.3 | | | | |
| | 120 | | | | | |
| | 140 | | | | | |
| | 160 | | | | | |
| | 180 | | | | | |