# Certificate of Compliance

| | | | |
|---|---|---|---|
| **Certificate:** | 70131735 | **Master Contract:** | 266909 |
| **Project:** | 80308465 | **Date Issued:** | 2026-10-30 |
| **Issued to:** | **Unirac**<br>**1411 Broadway NE**<br>**Albuquerque, New Mexico**<br>**87102**<br>**United States**<br><br>**Attention:** Rob D'Anastasio | **Issued by:** | *Joseph Garcia*<br>Joseph Garcia |

***The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.***

**PRODUCTS**

**Class 5313 02 POWER SUPPLIES - PHOTOVOLTAICS - PV Racking**
**Class 5313 82 POWER SUPPLIES - PHOTOVOLTAICS - PV Racking and clamping systems-Certified to US Standards**

**EcoFoot5D is a 5 degree ballasted PV racking system that is installed parallel to the roof in the landscape orientation.**
**EcoFoot2+ is a ballasted PV racking system that is installed parallel to the roof in both portrait and landscape orientations.**

| Model(s) |
|---|
| EcoFoot5D, EcoFoot2+ |

**EcoFoot5D & EcoFoot2+**

The systems listed are low slope ballasted systems designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system employs polymeric bays and is ballasted with ASTM C1491 concrete blocks. Modules are secured to the racking system with


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anodization-piercing aluminum clamps. The modules are bonded to the racking system via the clamp's stainless steel bonding pin. These systems employ steel wind deflectors that carry the bond path along rows of modules as well as perform a fire mitigation function. The system is grounded with 10 AWG copper wire to bonding/grounding lugs.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Fire ratings of Class A with Type 1, 2, type 3 (with metallic frame), 19, 22, 25, 29, 30, and 38 for low slope applications. Tested at 5" interstitial gap which allows installation at any stand-off height.

Latest EcoFoot5D Install Manual revision: PUB2026OCT13

Latest EcoFoot2+ Install Manual revision: PUB2026OCT13

UL 2703 Mechanical Load ratings for tested module area 29.49 sq ft:

| Standard Configuration (No Additional Mid Bays or Supports) | |
|---|---|
| Downward Design Load (lb/ft²) | 14.27 |
| Upward Design Load (lb/ft²) | 14.13 |
| Down-Slope Load (lb/ft²) | 5.0 |

| Standard Configuration with Additional Mid Support Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 41.63 |
| Upward Design Load (lb/ft²) | 14.13 |
| Down-Slope Load (lb/ft²) | 5.0 |

UL 2703 and TIL Mechanical Load ratings tested module area 27.78 sq ft:

| Standard Configuration (No Additional Mid Bays or Supports) | |
|---|---|
| Downward Design Load (lb/ft²) | 17.35 |
| Upward Design Load (lb/ft²) | 17.93 |
| Down-Slope Load (lb/ft²) | 5.27 |

UL 2703 and TIL Mechanical Load ratings tested module area 29.10 sq ft:

| Standard Configuration with Additional Mid Bays Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 36.30 |
| Upward Design Load (lb/ft²) | 9.65 |
| Down-Slope Load (lb/ft²) | 5.27 |

**Ground Fixed Tilt is a Roll Formed Steel and extruded aluminum rail PV racking system that is ground mounted in portrait orientation**


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**GFT Flush Mount is a Roll Formed Steel and extruded aluminum rail PV racking system that is roof mounted in portrait orientation**

| Model(s) |
|---|
| GFT, GFT Flush Mount |

**Ground Fixed Tilt**

The racking system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. Racking system is secured to the ground with roll-formed steel piles. Modules are secured to the racking system with stainless steel or aluminum mid clamps and Aluminum end clamps. The modules are bonded to the racking system with bonding mid clamps with piercing points. The system is grounded with 10 AWG copper wire to bonding/grounding lugs.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.
The mechanical load ratings from the SM test data will be applied to the GFT model.

Fire Testing is not applicable due to being a ground mount system.

Latest Install Manual revisions:
PUB2026OCT13, Ground Fixed Tilt_Installation Manual_20261013
PUB2024FEB09, GFT_HD_RAIL_20240209

Mechanical ratings:

| Module Area up to 22.2 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 113.5 |
| Upward Design Load (lb/ft²) | 50.7 |
| Down-Slope Load (lb/ft²) | 16.13 |

| Module Area up to 27.12 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 33.9 |
| Upward Design Load (lb/ft²) | 33.9 |
| Down-Slope Load (lb/ft²) | 16.5 |

| Module Area up to 29.49 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 31.18 |
| Upward Design Load (lb/ft²) | 31.18 |
| Down-Slope Load (lb/ft²) | 9.8 |

| Module Area up to 33.43 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 27.79 |
| Upward Design Load (lb/ft²) | 28.05 |
| Down-Slope Load (lb/ft²) | 9.8 |


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GFT Flush Mount

The racking system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. Racking system is secured to the roof with the Flashloc components through the roofing material to building structure. Modules are secured to the racking system with stainless steel or aluminum mid clamps and Aluminum end clamps. The modules are bonded to the racking system with bonding mid clamps with piercing points. The system is grounded with 10 AWG copper wire to bonding/grounding lugs. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 4 (with trim), 5 (with trim), 10(with metallic frame), 19, 22, 25, 29, or 30 for steep slope. Class A with Type 1, 2, 29 or 30 for low slope. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.
The mechanical load ratings from the SM test data will be applied to the GFT model.

Latest Install Manual revisions:

PUB2026OCT13, GFT FLUSH MOUNT_Installation Manual_20261013

Mechanical ratings:

| Module Area up to 22.2 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 113.5 |
| Upward Design Load (lb/ft²) | 50.7 |
| Down-Slope Load (lb/ft²) | 16.13 |

| Module Area up to 27.12 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 33.9 |
| Upward Design Load (lb/ft²) | 33.9 |
| Down-Slope Load (lb/ft²) | 16.5 |

| Module Area up to 29.49 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 31.18 |
| Upward Design Load (lb/ft²) | 31.18 |
| Down-Slope Load (lb/ft²) | 9.8 |

| Module Area up to 33.43 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 27.79 |
| Upward Design Load (lb/ft²) | 28.05 |
| Down-Slope Load (lb/ft²) | 9.8 |

**GridFlex 10D and GridFlex10 is a low slope ballasted roof mounted PV racking system**

| Model(s) |
|---|
| GridFlex 10D, GridFlex10 |


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**GridFlex 10D**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is a low slope ballasted system. Modules are secured to the racking system with aluminum clamps. The modules are bonded to the racking system via the clamps' stainless steel bonding pins. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 10(with metallic frame), 19, 22, 25, 29, or 30 for low slope applications. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Latest GridFlex 10D Install Manual revision: PUB2026OCT13

GridFlex 10D UL 2703 Mechanical Load ratings for tested module area 22.20 sq ft:

| GridFlex 10D | |
|---|---|
| Downward Design Load (lb/ft²) | 60.12 |
| Upward Design Load (lb/ft²) | 38.57[1] |
| Down-Slope Load (lb/ft²) | 11.91 |

GridFlex 10D UL 2703 Mechanical Load ratings for tested module area 27.76 sq ft:

| GridFlex 10D | |
|---|---|
| Downward Design Load (lb/ft²) | 50.48 |
| Upward Design Load (lb/ft²) | 31.01[1] |
| Down-Slope Load (lb/ft²) | 10.03 |

GridFlex 10D UL 2703 Mechanical Load ratings for tested module area 33.44 sq ft:

| GridFlex 10D | |
|---|---|
| Downward Design Load (lb/ft²) | 17.59 |
| Upward Design Load (lb/ft²) | 18.55[1] |
| Upward Design Load (lb/ft²) | 5.38[2] |
| Down-Slope Load (lb/ft²) | 6.20 |

GridFlex 10D UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| GridFlex 10D | |
|---|---|
| Downward Design Load (lb/ft²) | 40.5 |
| Upward Design Load (lb/ft²) | 34.1 |
| Down-Slope Load (lb/ft²) | 7.2 |

[1]This is the design load value in uplift for non-south row modules and south row modules with either ballasting or mechanical attachments south of the south row modules

[2]This is the design load value in uplift for south row modules that utilize the south rail stiffener component and do not utilize ballasting or mechanical attachments south of the south row modules


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**GridFlex 5D is a low slope ballasted roof mounted PV racking system**

| Model(s) |
|---|
| GridFlex 5D |

**GridFlex 5D**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is a low slope ballasted system. Modules are secured to the racking system with aluminum clamps. The modules are bonded to the racking system via the clamps' stainless steel bonding pins. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 10(with metallic frame), 19, 22, 25, 29, or 30 for low slope applications. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Latest GridFlex 5D Install Manual revision: PUB2026OCT13

GridFlex 5D UL 2703 Mechanical Load ratings for tested module area 27.76 sq ft:

| GridFlex 5D | |
|---|---|
| Downward Design Load (lb/ft²) | 51.59 |
| Upward Design Load (lb/ft²) | 5.77[2] |
| Down-Slope Load (lb/ft²) | 5.87 |

GridFlex 5D UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| GridFlex 5D | |
|---|---|
| Downward Design Load (lb/ft²) | 50.89 |
| Upward Design Load (lb/ft²) | 35.27[1] |
| Down-Slope Load (lb/ft²) | 10.47 |

GridFlex 5D UL 2703 and TIL Mechanical Load ratings tested module area 33.44 sq ft:

| GridFlex 5D | |
|---|---|
| Downward Design Load (lb/ft²) | 20.16 |
| Upward Design Load (lb/ft²) | 18.01[1] |
| Down-Slope Load (lb/ft²) | 5.87 |

[1]This is the design load value in uplift for non-south row modules and south row modules with either ballasting or mechanical attachments south of the south row modules

[2]This is the design load value in uplift for south row modules that utilize the south rail stiffener component and do not utilize ballasting or mechanical attachments south of the south row modules

**NXT UMOUNT is a flush to roof extruded aluminum rail PV racking system that is installed parallel to the roof in landscape or portrait orientations**


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| Model(s) |
| --- |
| **NXT UMOUNT** |

**NXT UMOUNT**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with aluminum mid clamps and aluminum end clamps. The modules are bonded to the racking system with bonding mid and end clamps with piercing points. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 10(with metallic frame), 19, 22, 25, 29, 30 or 38 for steep and low slope. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

NXT Tilt Legs is a flat roof configuration of the NXT UMOUNT system that utilizes an attachment variation that involves structural standoffs to achieve a range of module tilt angles. The NXT Tilt Legs installation instructions are captured in an Installation Addendum that covers both the SolarMount Tilt Legs system and the NXT Tilt Legs system. NXT Tilt Legs has mechanical load ratings independent of the NXT UMOUNT mechanical load ratings.

NXT GFT Tilt Legs is a flat roof configuration of the NXT UMOUNT system that utilizes an attachment variation that involves structural standoffs to achieve a fixed tilted module angle. The system is comprised of an S-5! Standing seam roof attachment to which a Unirac GFT rail is secured. Fixed height tilt legs are secured to the GFT rail, and NXT Rail Clamps are secured to the fixed height tilt legs. The NXT GFT Tilt Leg installation instructions are captured in an Installation Addendum. The NXT GFT Tilt Leg configuration has mechanical load ratings independent of the NXT UMOUNT mechanical load ratings.

NXT UMOUNT Ghost Rail is a version of NXT UMOUNT system where the south row is identical to NXT UMOUNT in that there are two rails in that row of modules. On all non-south rows instead of two rails per row of modules there is 1 rail per row of modules, and the absent rail is replaced with a coupler component.

Latest SolarMount NXT Tilt Legs Installation Addendum revisions: PUB2026MAY11, PUB2025APR25-Trinity

NXT GFT Tilt Leg Install Manual Revision: PUB2026OCT13

Latest NXT UMOUNT Install Manual revision: PUB2026OCT13

Latest NXT UMOUNT Ghost Rail Install Manual Revision: PUB2026OCT13

NXT UMOUNT UL 2703 Mechanical Load ratings for tested module area 21.86 sq ft:

| NXT Systems without DTD Butyl Attachment P30817211, Rail Splice P30808218, or Rail Clamp P30817214 | |
| --- | --- |
| Downward Design Load (lb/ft²) | 113.7 |
| Upward Design Load (lb/ft²) | 51.1 |
| Down-Slope Load (lb/ft²) | 16.8 |

| NXT Systems with DTD Butyl Attachment P30817211, Rail Splice P30808218, or Rail Clamp P30817214 | |
| --- | --- |
| Downward Design Load (lb/ft²) | 51.1 |
| Upward Design Load (lb/ft²) | 51.1 |
| Down-Slope Load (lb/ft²) | 16.8 |


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NXT UMOUNT UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| NXT Systems without DTD Butyl Attachment P30817211, Rail Splice P30808218, or Rail Clamp P30817214 | |
|---|---|
| Downward Design Load (lb/ft²) | 50.1 |
| Upward Design Load (lb/ft²) | 22.2 |
| Down-Slope Load (lb/ft²) | 8.0 |

UL 2703 and TIL Mechanical Load ratings tested module area 29.49 sq ft:

| NXT Systems with all components included in PUB2023NOV10 Install Manual | |
|---|---|
| Downward Design Load (lb/ft²) | 37.06 |
| Upward Design Load (lb/ft²) | 20.97 |
| Down-Slope Load (lb/ft²) | 7.53 |

UL 2703 and TIL Mechanical Load ratings tested module area 30.05 sq ft:

| NXT Systems with all components included in PUB2023NOV10 Install Manual | |
|---|---|
| Downward Design Load (lb/ft²) | 36.5 |
| Upward Design Load (lb/ft²) | 20.96 |
| Down-Slope Load (lb/ft²) | 7.6 |

NXT HD Rail UL 2703 Mechanical Load ratings:

| Module Area up to 27.81 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 50.47 |
| Upward Design Load (lb/ft²) | 25.57 |
| Down-Slope Load (lb/ft²) | 8.2 |

NXT Tilt Legs UL 2703 Mechanical Load ratings:

| Module Area up to 21.05 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 51 |
| Upward Design Load (lb/ft²) | 32.23 |
| Down-Slope Load (lb/ft²) | 10.93 |

| Module Area up to 27.81 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 30.35 |
| Upward Design Load (lb/ft²) | 24.1 |
| Down-Slope Load (lb/ft²) | 8.13 |

NXT Tilt Legs Test Loads:

| Module Area up to 21.05 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 76.5 |
| Upward Design Load (lb/ft²) | 48.35 |


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| | |
|---|---|
| Down-Slope Load (lb/ft²) | 16.40 |

| Module Area up to 27.81 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 45.53 |
| Upward Design Load (lb/ft²) | 36.15 |
| Down-Slope Load (lb/ft²) | 12.2 |

NXT UMOUNT Ghost Rail UL 2703 Mechanical Load ratings:

| Module Area up to 21.65 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 16.8 |
| Upward Design Load (lb/ft²) | 28.2 |
| Down-Slope Load (lb/ft²) | 9.6 |

NXT UMOUNT Ghost Rail Test Loads:

| Module Area up to 21.65 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 25.2 |
| Upward Design Load (lb/ft²) | 42.3 |
| Down-Slope Load (lb/ft²) | 14.5 |

NXT GFT Tilt Leg UL 2703 Mechanical Design Load ratings: (Design load = Test Load ÷ 1.5)

| Module Area up to 27.81 sq ft<br>2 NXT Rails per Module | |
|---|---|
| Downward Design Load (lb/ft²) | 35.85 |
| Upward Design Load (lb/ft²) | 48.65 |
| Down-Slope Load (lb/ft²) | 6.33 |

| Module Area up to 27.81 sq ft<br>3 NXT Rails per Module | |
|---|---|
| Downward Design Load (lb/ft²) | 41.17 |
| Upward Design Load (lb/ft²) | 57.22 |
| Down-Slope Load (lb/ft²) | 7.26 |

NXT GFT Tilt Leg CSA TIL NO. A-40 Mechanical Design Load ratings (Design load = Test Load ÷ 1.5):

| Module Area up to 27.81 sq ft<br>2 NXT Rails per Module | |
|---|---|
| Downward Design Load (lb/ft²) | 17.83 |
| Upward Design Load (lb/ft²) | 17.83 |
| Down-Slope Load (lb/ft²) | NA |


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**RM DT, East West facing, low slope, ballasted roof mount PV racking system**
**RM 5 South, South facing, low-slope, ballasted roof-mount PV racking system**

| Model(s) |
|---|
| **RM 5 South, RM DT** |

**RM 5 South and RM DT**

The systems listed are designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system employs galvanized steel bays, ballasted with ASTM C1491 concrete blocks. Modules are secured to the racking system with stainless steel end and mid clamps. Where applicable, the system may employ fire skirts and/or wind deflectors made from 18 gauge G180 steel. The modules are bonded to the racking system with anodization-piercing clamps. The system is grounded with 10 AWG copper wire to bonding/grounding lugs.
Fire ratings of Class A with Type 1, 2, 29, or 30 for low slope with fixed interstitial gap per design of racking system. RM5 requires wind deflectors on North edge.

The system may employ bay-mounted or module mounted optimizers/micro-inverters.

Both models are identical in terms of construction material, module clamps, bonding/grounding, and performance rating with the exception of the tilt angle and direction of the systems.

Latest RM5 Install Manual revision: PUB2026OCT13

Latest RMDT Install Manual revision: PUB2026OCT13

Mechanical ratings for both models:

| Module Area up to 27.76 sq ft<br>System Configuration without Mid Bays Included | |
|---|---|
| Downward Design Load (lb/ft²) | 36.2 |
| Upward Design Load (lb/ft²) | 17.24 |
| Down-Slope Load (lb/ft²) | 5 |

| Module Area up to 33.44 sq ft<br>System Configuration with Mid Bays Included | |
|---|---|
| Downward Design Load (lb/ft²) | 33.3 |
| Upward Design Load (lb/ft²) | 23.52 |
| Down-Slope Load (lb/ft²) | 5.26 |

| Module Area up to 33.44 sq ft<br>System Configuration without Mid Bays Included | |
|---|---|
| Downward Design Load (lb/ft²) | 14.85 |
| Upward Design Load (lb/ft²) | 15.66 |


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| | |
|---|---|
| Down-Slope Load (lb/ft²) | 5.13 |

**RM10 EVO is a ballasted PV racking system that is installed parallel to the roof in landscape orientations.**

| Model(s) |
|---|
| **RM10 EVO** |

**RM10 EVO**

The system listed is a low slope ballasted system designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system employs aluminum bays and is ballasted with ASTM C1491 concrete blocks. Modules are secured to the racking system with anodization-piercing aluminum clamps. The modules are bonded to the racking system via the clamp's stainless steel bonding washer. The system is grounded with 10 AWG copper wire to bonding/grounding lugs.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Fire ratings of Class A with Type 1, 2, type 3 (with metallic frame), 19, 22, 25, 29, and 30 for low slope applications. Tested at 5" interstitial gap which allows installation at any stand-off height.

Latest RM10 EVO Install Manual revision: PUB2026OCT13

UL 2703 Mechanical Load ratings for tested module area 33.44 sq ft:

| Standard Configuration (No Additional Mid Bays or Supports) | |
|---|---|
| Downward Design Load (lb/ft²) | 13.57 |
| Upward Design Load (lb/ft²) | 15.88 |
| Down-Slope Load (lb/ft²) | 5.0 |

| Standard Configuration with Additional Mid Support Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 33.37 |
| Upward Design Load (lb/ft²) | 15.88 |
| Down-Slope Load (lb/ft²) | 5.0 |

| Standard Configuration with Additional Mid Bay Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 33.37 |
| Upward Design Load (lb/ft²) | 26.63 |
| Down-Slope Load (lb/ft²) | 5.0 |


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UL 2703 and TIL Mechanical Load ratings tested module area 27.78 sq ft:

| Standard Configuration (No Additional Mid Bays or Supports) | |
|---|---|
| Downward Design Load (lb/ft²) | 17.3 |
| Upward Design Load (lb/ft²) | 17.88 |
| Down-Slope Load (lb/ft²) | 5.0 |

UL 2703 and TIL Mechanical Load ratings tested module area 27.66 sq ft:

| Standard Configuration with Additional Mid Bays Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 28.59 |
| Upward Design Load (lb/ft²) | 26.46 |
| Down-Slope Load (lb/ft²) | 5.0 |

UL 2703 and TIL Mechanical Load ratings tested module area 29.10 sq ft:

| Standard Configuration with Additional Mid Bays Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 34.47 |
| Upward Design Load (lb/ft²) | 18.39 |
| Down-Slope Load (lb/ft²) | 5.0 |

**SFM Flush to Roof is an extruded aluminum rail PV racking system that is installed parallel to the roof in landscape or portrait orientations.**

| Model(s) |
|---|
| **SFM (Sun Frame Microrail)** |

**SFM (Sun Frame Microrail)**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with aluminum clamps and aluminum splices that clamp across the gap of adjacent modules. The modules are bonded to the racking system via the clamp's and splice's stainless steel bonding pins. Fire ratings of Class A with Type 1, 2, 29, 30 or 38 for steep and low slope. Tested at 5" interstitial gap which allows installation at any stand-off height.

Latest SFM Install Manual revision: PUB2026OCT13

UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| Standard Configuration with Additional Mid Bays Installed | |
|---|---|
| Downward Design Load (lb/ft²) | 75 |
| Upward Design Load (lb/ft²) | 33 |
| Down-Slope Load (lb/ft²) | 22.2 |


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**SOLARMOUNT Flush-to-Roof is an extruded aluminum rail PV racking system that is installed parallel to the roof in landscape or portrait orientations.**
**Unirac Large Array is a ground mount system using the SolarMount (SM) platform for the bonding and grounding of PV modules.**

| Model(s) |
|---|
| **SM, Unirac Large Array** |

**SolarMount**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with stainless steel or aluminum mid clamps and Aluminum end clamps. The modules are bonded to the racking system with the stainless-steel bonding mid clamps with piercing points. The system is grounded with 10 AWG copper wire to bonding/grounding lugs. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 4 (with trim), 5 (with trim), 10(with metallic frame), 19, 22, 29, 30 or 38 for steep slope. Class A with Type 1, 2, 29, 30 or 38 for low slope. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

SolarMount Tilt Legs is a variation of the SolarMount system that utilizes structural standoff attachments to achieve a range of module tilt angles. The SolarMount Tilt Legs installation instructions are captured in an Installation Addendum that covers both the SolarMount Tilt Legs system and the NXT Tilt Legs system. SolarMount Tilt Legs has mechanical load ratings independent of the SolarMount and NXT UMOUNT mechanical load ratings.

The system may employ optimizers/micro-inverters and used for grounding when installed per installation instructions.

Latest SolarMount Install Manual revision: PUB2026OCT13

Latest SolarMount NXT Tilt Legs Installation Addendum revision: PUB2026MAY11, PUB2025APR25-Trinity

SolarMount UL 2703 Mechanical Load ratings:

| Module Area up to 22.2 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 113.5 |
| Upward Design Load (lb/ft²) | 50.7 |
| Down-Slope Load (lb/ft²) | 16.13 |

| Module Area up to 27.12 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 33.9 |
| Upward Design Load (lb/ft²) | 33.9 |
| Down-Slope Load (lb/ft²) | 16.5 |


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| Module Area up to 29.49 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 31.18 |
| Upward Design Load (lb/ft²) | 31.18 |
| Down-Slope Load (lb/ft²) | 9.8 |

SolarMount Test Loads:

| Module Area up to 22.2 sq ft | |
|---|---|
| Downward Load (lb/ft²) | 170.20 |
| Upward Load (lb/ft²) | 76.07 |
| Down-Slope Load (lb/ft²) | 24.2 |

| Module Area up to 27.12 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 50.85 |
| Upward Design Load (lb/ft²) | 50.85 |
| Down-Slope Load (lb/ft²) | 24.75 |

| Module Area up to 29.49 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 46.77 |
| Upward Design Load (lb/ft²) | 46.77 |
| Down-Slope Load (lb/ft²) | 14.7 |

SolarMount Tilt Legs UL 2703 Mechanical Load ratings:

| Module Area up to 21.05 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 50.53 |
| Upward Design Load (lb/ft²) | 44.33 |
| Down-Slope Load (lb/ft²) | 10.93 |

SolarMount Tilt Legs Test Loads:

| Module Area up to 21.05 sq ft | |
|---|---|
| Downward Design Load (lb/ft²) | 75.80 |
| Upward Design Load (lb/ft²) | 66.50 |
| Down-Slope Load (lb/ft²) | 16.40 |

**Unirac Large Array**

Unirac Large Array is a ground mount system using the SolarMount (SM) platform for the bonding and grounding of PV modules. ULA aluminum components merge with SM rails and installer-supplied steel pipe. The SM rail system is secured to the horizontal Pipe using the Rail Bracket components. The Rear and Front cap secures the horizontal Pipe to the vertical Pipe. The Front cap is also used to secure the Cross brace. A Slider is attached to the vertical Pipe to secure the Cross brace. The SM rails, caps, slider, rail brackets, and cross braces materials are 6105-T5 aluminum extrusion. Fasteners materials are 304 stainless steel. Horizontal and vertical pipe materials meet the minimum requirements of ASTM A53 for galvanized steel pipe in 2” and 3” diameter.


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The mechanical load ratings from the SM test data will be applied to the Unirac Large Array model.

Fire Testing is not applicable due to being a ground mount system.

Latest Install Manual revision: PUB2026OCT13

**SM Ascender, one or two row elevated or non elevated roof system is an extruded aluminum rail PV racking system that is installed to the roof in portrait orientation**

| Model(s) |
|---|
| **SM Ascender** |

**SM Ascender**

The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with aluminum mid clamps and aluminum end clamps. Fire rating of Class A when installed over non-combustible roofing materials.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Latest Install Manual revisions (1P Elevated, 1P Non Elevated, 2P Elevated, 2P Non Elevated): PUB2026OCT13

UL 2703 Mechanical Load ratings for tested module area 27.76 sq ft:

| | |
|---|---|
| Downward Design Load (lb/ft²) | 28.4 |
| Upward Design Load (lb/ft²) | 31.9 |
| Down-Slope Load (lb/ft²) | 5.2 |

UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| | |
|---|---|
| Downward Design Load (lb/ft²) | 17.1 |
| Upward Design Load (lb/ft²) | 17.1 |
| Down-Slope Load (lb/ft²) | 5.2 |

**SM Ascender Flush Mount, flush mount roof system is an extruded aluminum rail PV racking system that is installed to the roof in portrait or landscape orientation.**

| Model(s) |
|---|
| **SM Ascender Flush Mount** |

**SM Ascender Flush Mount**


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The system listed is designed to provide bonding/grounding, and mechanical stability for photovoltaic modules. The system is secured to the roof with the L-Foot components through the roofing material to building structure. Modules are secured to the racking system with aluminum mid clamps and aluminum end clamps. Fire ratings of Class A with Type 1, 2, 3 (with metallic frame), 10(with metallic frame), 19, 22, 25, 29, 30 or 38 for steep slope. Class A with Type 1, 2, 29, 30 or 38 for low slope. Tested at 5" interstitial gap which allows installation at any stand-off height.

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.

Latest Install Manual revision: PUB2026OCT13

UL 2703 Mechanical Load ratings for tested module area 27.76 sq ft:

| | |
|---|---|
| Downward Design Load (lb/ft²) | 28.4 |
| Upward Design Load (lb/ft²) | 31.9 |
| Down-Slope Load (lb/ft²) | 5.2 |

UL 2703 and TIL Mechanical Load ratings tested module area 27.76 sq ft:

| | |
|---|---|
| Downward Design Load (lb/ft²) | 17.1 |
| Upward Design Load (lb/ft²) | 17.1 |
| Down-Slope Load (lb/ft²) | 5.2 |

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local codes compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.


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**Certificate**: 70131735 **Master Contract**: 266909

**Project**: 80308465 **Date Issued**: 2026-10-30

## APPLICABLE REQUIREMENTS

| Standards Used | Description |
|---|---|
| CSA TIL No. A-40:20 | PV Module and Panel Rack Mounting Systems and Accessories |
| ANSI/UL 2703:2015 - First Edition - Including revisions through and including April 28, 2026 | UL Standard for Safety Mounting Systems, Mounting Devices, Clamping/Retention Devices, and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels |

## CONDITIONS OF ACCEPTABILITY

The grounding of the system is intended to comply with the latest edition of the National Electrical Code, to include NEC 250 & 690. Local code compliance is required, in addition to national codes. All grounding/bonding connections are to be torqued in accordance with the Installation Manual and the settings used during the certification testing for the current edition of the project report.


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Notes:

Products certified under Class(es) C531302, C531382 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca


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