Trina Mount III by TrinaSolar

FOR FLAT ROOF

TRINAMOUNT III OF TRINA SOLAR OFFERS THE FASTEST AND LEAST EXPENSIVE WAY TO MOUNT PV ARRAYS ON FLAT ROOFS.

With a series of drop-in and quarter turn connections, Trinamount III greatly accelerates the process of commercial rooftop installation. Trinamount III eliminates the need for mounting rails, requires very few parts, and simultaneously accomplishes structural and grounding connections. With far less complexity than conventional systems, Trinamount III delivers both labor and logistics savings for commercial PV projects.

10 YEAR
PRODUCT WARRANTY FOR MODULE AND MOUNTING SYSTEM

11 DEGREES
FIXED TILT ANGLE

SIMPLIFIED GROUNDING
GROUND BOND CONNECTION
10X BETTER THAN UL MINIMUM CRITERIA

Mono Multi Solutions
**Basic Hardware**

1. **Row Connector**
   - The row connector provides a point of attachment for the front and rear legs, and creates a rigid connection between rows. It also accepts standard strut nuts for attaching standard struts or brackets for applications that require bracing for seismic and high wind applications.

2. **Ballast Pan**
   - The Ballast Pan installs by hand over the Row Connector and receives ballast blocks to add ballast weight to the system.

3. **Front & Rear Legs**
   - The Front Leg snaps, by hand, into the Row Connectors and receives the Zep Groove of Zep Compatible PV modules. The structural connections are auto-grounding.
   - The Rear Leg rotates, by hand, into the Zep Groove of Zep Compatible PV modules and snaps into the Row Connectors. The Rear Leg automatically establishes east-west module grounding.

4. **Diffuser Support**
   - The diffuser support provides additional rigidity along the upper edge of the module row and supports the ends of the wind diffusers.

5. **Wind Diffuser**
   - The wind diffuser is installed on the back side of each row and reduces uplift forces due to wind by redirecting air over and around the array, balancing air pressures across the upper and lower sides of the array.

6. **Ground Lug**
   - Attaches to the module groove. One lug grounds up to 24 modules per row.

**Accessories**

- Trinamount Tool
- Trinamount III Removal Tool

For more information, please visit the Trinamount Online Design Tool — [www.trinasolar.com/trinamount](http://www.trinasolar.com/trinamount)

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Type</th>
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</thead>
<tbody>
<tr>
<td>720074</td>
<td>11° Row Connector</td>
<td>H</td>
</tr>
<tr>
<td>720076</td>
<td>Ballast Pan</td>
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<tr>
<td>720077</td>
<td>11° Front Leg</td>
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<td>720078</td>
<td>11° Rear Leg</td>
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<td>720079</td>
<td>11° Wind Diffuser</td>
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<td>720080</td>
<td>11° Diffuser Support</td>
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<td>720070</td>
<td>Ground Lug</td>
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<td>720071</td>
<td>Wire Clip</td>
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<td>720081</td>
<td>Trinamount Tool</td>
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<tr>
<td>720190</td>
<td>Trinamount Tool III removal kit</td>
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**Key Features**

- Tool-free installation through drop-in mounting solution
- Low parts and SKU count in comparison to conventional mounting solutions
- Long rail elimination reduces inventory and freight cost
- Theft resistant with auto-grounding hardware
- Compact packaging with module and mounting hardware delivered together
**Trinamount III FOR FLAT ROOF**

**COMPATIBLE 60 CELL MODULES**

**COMPATIBLE 72 CELL MODULES**

**MECHANICAL DATA**

<table>
<thead>
<tr>
<th>Module</th>
<th>Dimensions</th>
<th>Weight</th>
<th>Glass</th>
<th>Frame</th>
<th>Cables / Connector</th>
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<tbody>
<tr>
<td>TSM-PC05.18</td>
<td>1650 × 992 × 40mm (64.95 × 39.05 × 1.57 inches)</td>
<td>20.3kg (44.8 lb)</td>
<td>High transparency solar glass 3.2mm (0.13 inches)</td>
<td>Anodized aluminium alloy</td>
<td>Photovoltaic Technology cable 4.0mm² (0.006 inches²), 1100mm (43.3 inches), Original MC4 / H4</td>
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<td>TSM-PC05A.18</td>
<td>1956 × 992 × 40mm (77 × 39.05 × 1.57 inches)</td>
<td>27.6kg (60.8 lb)</td>
<td>High transparency solar glass 4.0mm (0.16 inches)</td>
<td>Anodized aluminium alloy</td>
<td>Photovoltaic Technology cable 4.0mm² (0.006 inches²), 1250mm (49.2 inches), Original MC4</td>
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<td>TSM-PA05.10</td>
<td>1600 × 990 × 150mm</td>
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<td>TSM-PA05.15</td>
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</table>

**FOR ELECTRICAL DATA PLEASE REFER TO RESPECTIVE DATASHEET OF ABOVE MODULE**

**CERTIFICATION**

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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.  
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