

# Trina mount I

by Trina solar

## FOR TILE ROOF

### 10 YEAR

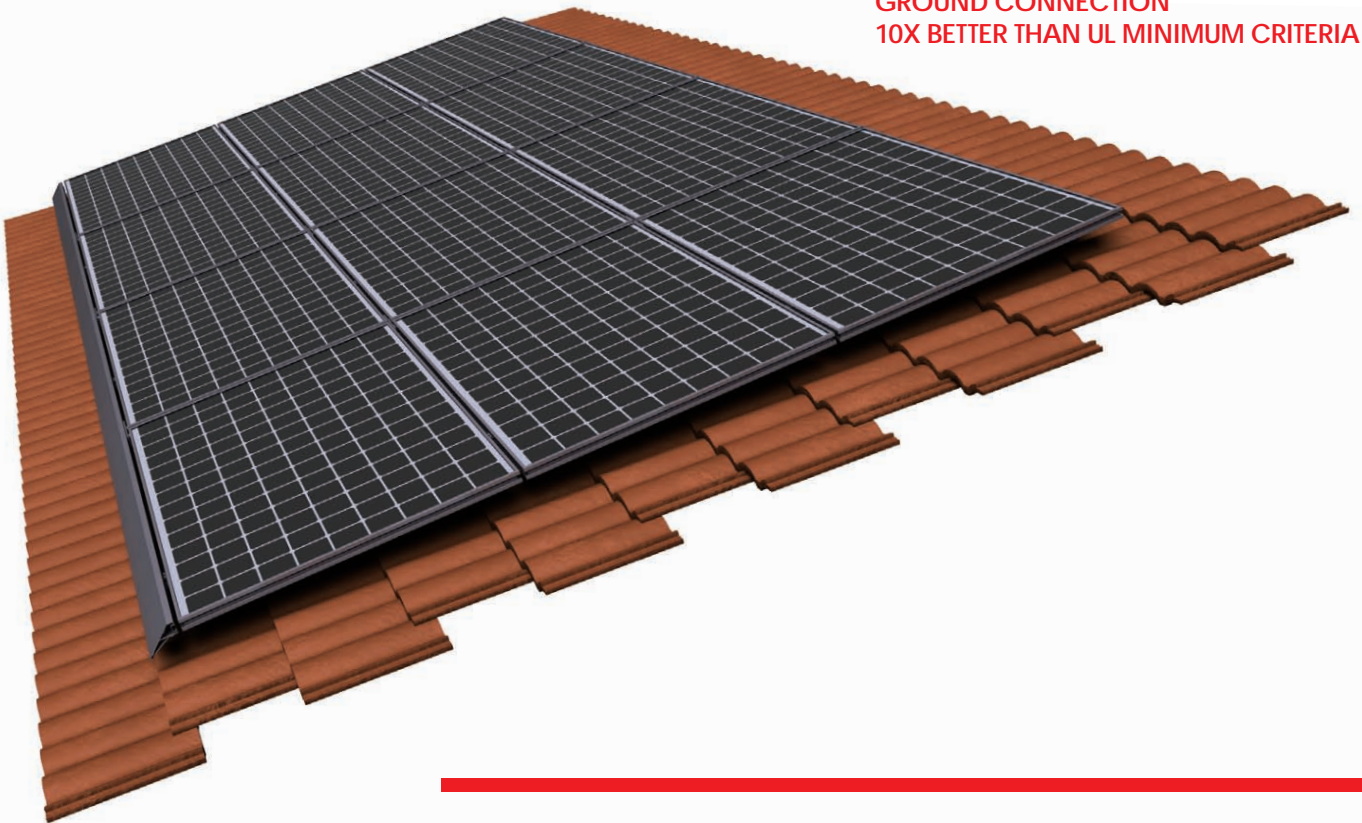
PRODUCT WARRANTY FOR MODULE  
AND MOUNTING SYSTEM

REDUCES ROOF ATTACHMENT  
POINTS UP TO

### 25%

### SIMPLIFIED GROUNDING

GROUND CONNECTION  
10X BETTER THAN UL MINIMUM CRITERIA



SUITABLE FOR



TILE ROOF

### COMBINING PV MODULE EXPERTISE WITH A HIGHLY INNOVATIVE MOUNTING SYSTEM SOLUTION.

Trina Solar is introducing Trina mount — the fastest, easiest and least expensive way to mount PV modules onto residential and commercial rooftops. With a series of drop-in and quarter-turn connections on a specialized module frame, this mounting solution installs up to 5 times faster than conventional mounting systems. Trina mount connects directly to the module frame, eliminating the need for long rails. By drastically reducing the number of parts, cost of materials and installation time, Trina mount offers the optimal solution for residential and commercial installations.

Trinamount I FOR TILE ROOF

- 

Fast and simple to install through drop in mounting solution
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Low parts and SKU count in comparison to conventional mounting solutions
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Superior aesthetic solution for residential rooftops
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Long rail elimination reduces inventory and freight cost
- 

Theft resistant with auto grounding hardware
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Compact packaging with module and mounting hardware delivered together

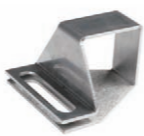
ORDERING INFORMATION

Part Number	Description	Type
720063	Interlock(Black)	H
720065	Hybrid Interlock(Black)	H
720066	Cam Foot	H
720067	Spanner Bar	H
720068	Bar Sleeve	H
720069	Spanner Clamp	H
720070	Ground Lug	H
720071	Wire Clip	H
720158	Array Skirt, 1663mm	A
720159	Array Skirt, 2008mm	A
720081	Trinamount Tool	A
720082	Flat Tool	A

H = Basic hardware      A = Accessories (sold separately)

TRINA MODULE

MOUNTING SYSTEM HARDWARE



Trinamount Module

Spanner Bar & Bar Sleeve

Spanner Clamp

Cam Foot

Interlock

Ground Lug


TRINAMOUNT SYSTEM



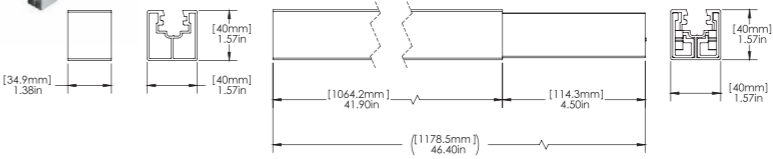
BASIC HARDWARE

- A

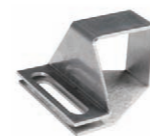
Spanner Bar & Bar Sleeve



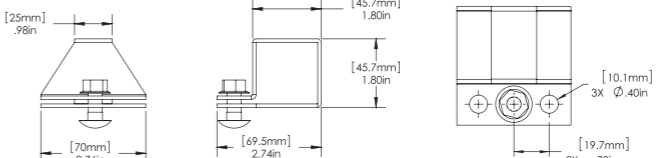
The Spanner Bar is a snap-together component that spans between and connects to tile hooks or flashed attachment hardware and provides attachment point flexibility in both nominal east-west and north-south axes. At the end of a run of Spanner Bars, the Bar Sleeve provides a point of attachment for the Cam Foot.


- B


Spanner Clamp



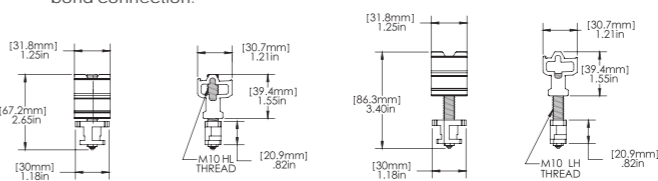
The Spanner Clamp provides a means of attachment between the Spanner Bar and the roof attachment hardware.


- C


Cam Foot



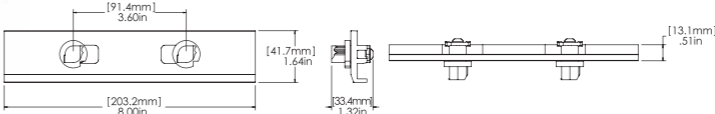
The Cam Foot creates a structural connection between the Spanner Bars and the module frame, allows for precision height adjustability, and ground bond connection.


- D


Interlock



The Interlock provides north-south and east-west structural and ground bond connections creating a structurally contiguous hyper-bonded array. ETL Listed to UL1703.



- E

Ground Lug




Provides point of connection between PV array & the equipment grounding conductor. ETL listed to UL467. One lug grounds up to 72 modules.
- F

Wire Clip




Clips into Groove for ultra-fast and easy management of PV wiring and micro-inverter cables.
- G

Trinamount Tool, Flat Tool

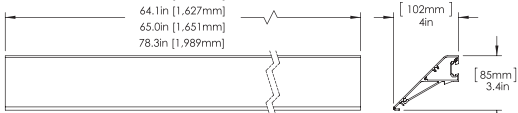


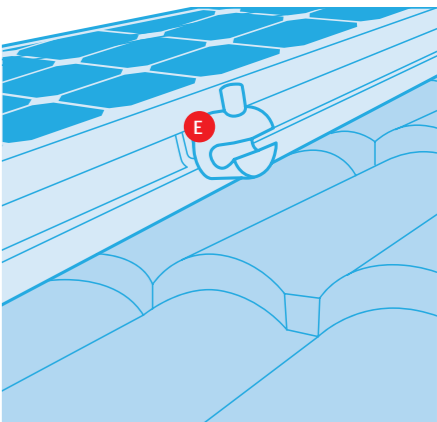
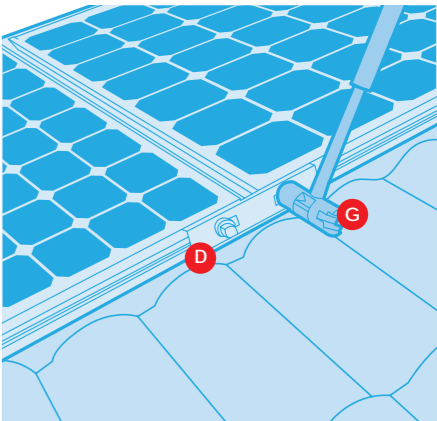
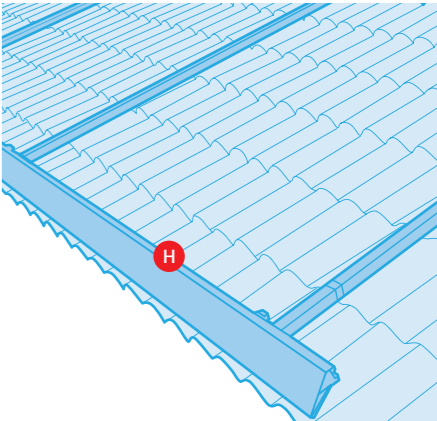
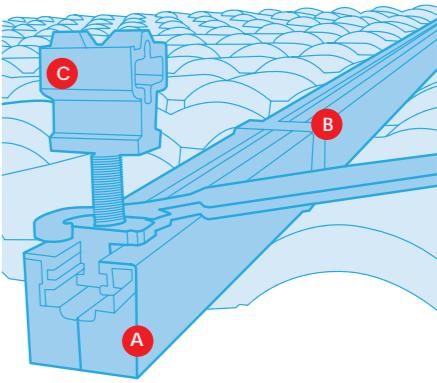
Trinamount Tool: 4 functions, 1 tool. Flat Tool: For inter-module removal and cam foot installation.
- H

Array Skirt



Enhancing both function and aesthetics, the Array skirt facilitates easy front-row installation while providing a clean look at the front of the PV array (available in both clear and black finish).





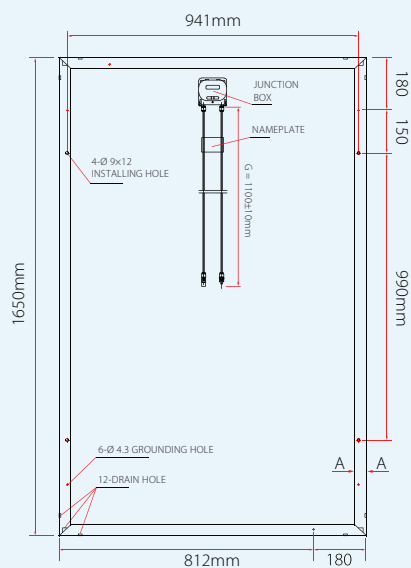
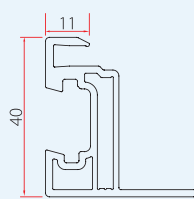
## Trinamount I FOR TILE ROOF

Mono

Multi

## Solutions

### DIMENSIONS OF 60 CELL TRINAMOUNT MODULE

[Back View](#)

A-A

COMPATIBLE  
**60 CELL**  
MODULES

## MODULES

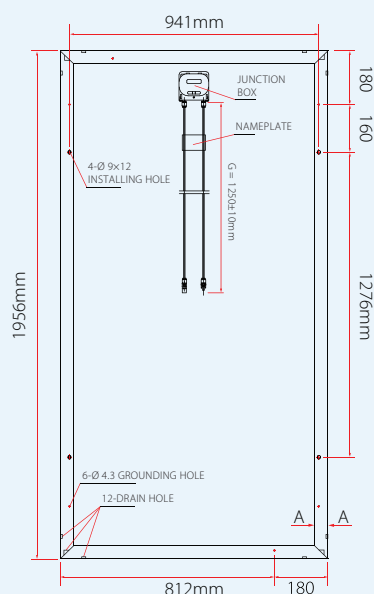
TSM-PC05.18  
TSM-PC05A.18  
TSM-PA05.18  
TSM-PA05.15

FOR ELECTRICAL DATA PLEASE REFER TO RESPECTIVE DATASHEET OF ABOVE MODULE

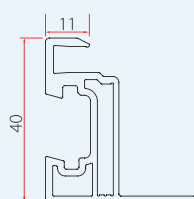
## MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156mm (6 inches)
Cell orientation	60 cells (6 × 10)
Module dimension	1650 × 992 × 40mm (64.95 × 39.05 × 1.57 inches)
Weight	20.3kg (44.8 lb)
Glass	High transparency solar glass 3.2mm (0.13 inches)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables / Connector	Photovoltaic Technology cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1100mm (43.3 inches), Original MC4 / H4

### DIMENSIONS OF 72 CELL TRINAMOUNT MODULE



Back View



A-A

COMPATIBLE  
**72 CELL**  
MODULES

## MODULE

TSM-PA14.18

FOR ELECTRICAL DATA PLEASE REFER TO RESPECTIVE DATASHEET OF ABOVE MODULE

## MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40mm (77 × 39.05 × 1.57 inches)
Weight	27.6kg (60.8 lb)
Glass	High transparency solar glass 4.0mm (0.16 inches)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables / Connector	Photovoltaic Technology cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ) 1250mm (49.2 inches), Original MC4

## CERTIFICATION



TSM\_EU\_August 2011\_RevA\_Trinamount I