Trinamount II
by **Trina**solar

FOR PITCHED ROOF

10 YEAR
PRODUCT WARRANTY FOR MODULE
AND RACKING SYSTEM

4.5X
FASTER TO INSTALL

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

SUITABLE FOR

CORRUGATED METAL

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

Trina Solar is introducing Trinamount — 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. Trinamount 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, Trinamount offers the optimal solution for residential and commercial installations.

Trinasolar
Smart Energy Together

ZEP COMPATIBLE

Fast and simple to install through drop in mounting solution

Low parts and SKU count in comparison to conventional mounting solutions

Superior aesthetic solution for residential rooftops

Long rail elimination reduces inventory and freight cost

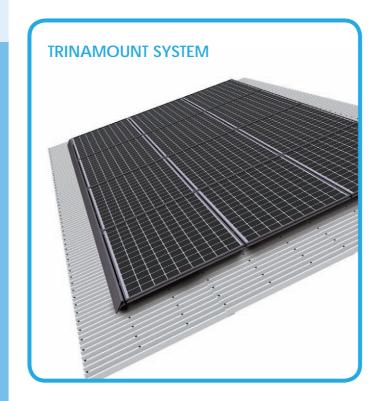## Theft resistant with auto grounding hardware

Compact packaging with module and mounting hardware delivered together

TRINA MODULE + MOUNTING SYSTEM HARDWARE

Interlock

Big Foot

Trinamount Module   Ground Bolt   Trinamount Tool

TRINAMOUNT SYSTEM

ORDERING INFORMATION

Part Number	Description	Type
720063	Interlock (Black)	H
720065	Hybrid Interlock (Black)	H
720066	Cam Foot	H
720073	Big Foot	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)

Trinamount I
For tile roof

Trinamount II
For pitched roof

Trinamount III
For flat roof

BASIC HARDWARE

A 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.

[91.4mm]
3.60in
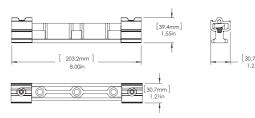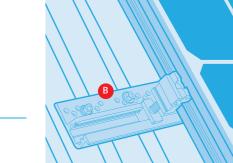[41.7mm]
1.64in
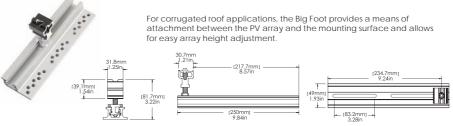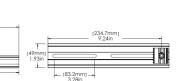[203.2mm]
8.00in
[33.4mm]
1.32in
[113.1mm]
.51in

Hybrid Interlock

The Hybrid Interlock functions as both Interlock and Leveling Foot for areas where the structural attachment falls at an Interlock location.

[39.4mm]
1.55in
[203.2mm]
8.00in
[30.7mm]
1.21in
[30.7mm]
1.21in

B Big Foot

For corrugated roof applications, the Big Foot provides a means of attachment between the PV array and the mounting surface and allows for easy array height adjustment.

31.8mm
1.25in
30.7mm
1.21in
[217.7mm]
8.57in
[234.7mm]
9.24in
[39.1mm]
1.54in
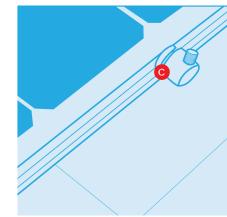[81.7mm]
3.22in
[49mm]
1.93in
[250mm]
9.84in
[83.2mm]
3.28in

C Ground Lug

Provides point of connection between PV array and the equipment grounding conductor. ETL listed to UL467. One lug grounds up to 72 modules.
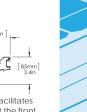
D Wire Clip

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

ACCESSORIES

E Trinamount Tool, Flat Tool

Trinamount Tool: 4 functions, 1 tool.
Flat Tool: For inter-module removal.

Array Skirt

63.3in [1,608mm]
64.1in [1,627mm]
65.0in [1,651mm]
78.3in [1,989mm]
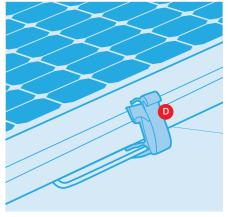[102mm]
4in
[85mm]
3.4in

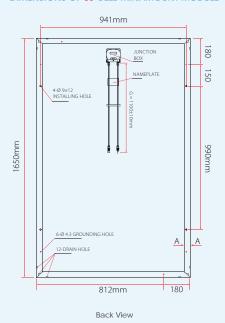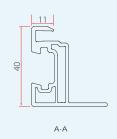Enhancing both function and aesthetics, the Array skirt facilitates easy front-row installation while providing a clean look at the front of the PV array (available in both clear and black finish).

DIMENSIONS OF 60 CELL TRINAMOUNT MODULE

941mm
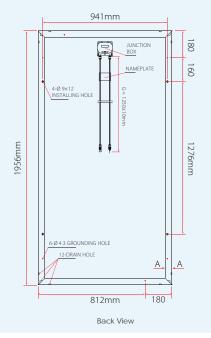
JUNCTION BOX

NAMEPLATE

4-Ø 9×12 INSTALLING HOLE

G = 1100±10mm

180

150

990mm

1650mm

6-Ø 4.3 GROUNDING HOLE

12-DRAIN HOLE

A A

812mm   180

Back View

11

40

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 transparancy solar glass 3.2mm (0.13 inches)
Frame	Anodized aluminium alloy
J-Box	IP 65 rated
Cables / Connector	Photovoltaic Technology cable 4.0mm² (0.006 inches²), 1100mm (43.3 inches), Original MC4 / H4

DIMENSIONS OF 72 CELL TRINAMOUNT MODULE

941mm

JUNCTION BOX

NAMEPLATE

4-Ø 9×12 INSTALLING HOLE

G = 1250±10mm

180

160

1276mm

1956mm

6-Ø 4.3 GROUNDING HOLE

12-DRAIN HOLE

A A

812mm   180

Back View

11

40

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 4.0mm² (0.006 inches²), 1250mm (49.2 inches), Original MC4

CERTIFICATION

CE   ISO   PV CYCLE   Recyclable packaging

c UL us LISTED   c ETL us INTERTEK LISTED   TÜV Rheinland

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