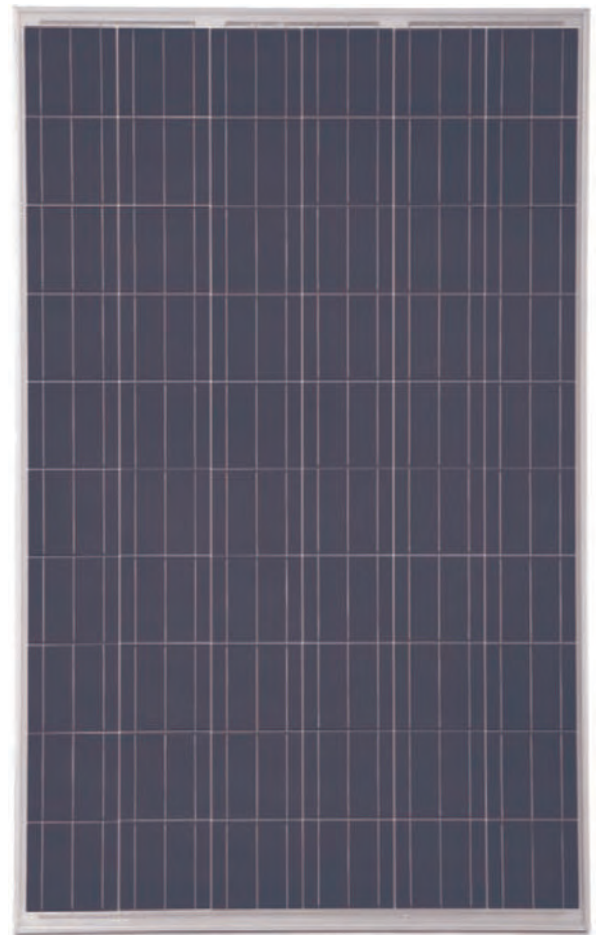


ART/TRINA-Multi PV Series (Natural or Black Frame)



15.3% Max Efficiency

Trina Solar Laminate
locally framed by
ARTsolar in South
Africa

10 year product warranty

25 year linear performance
warranty guaranteeing a maximum
performance depression of 0.8%/a

TüV Rheinland
verified certification

Positive performance
tolerance resulting in utmost
system efficiency

Applied Renewable Technologies
– the ART of Solar PV module production



Modules designed with robust, corrosion resistant aluminium frames that can withstand wind loads of up to 2400Pa and dynamic and static loads of up to 5400Pa, ensuring the stability, quality, reliability and long life expectancy of our modules.



Modules are manufactured with multicrystalline silicon cells and covered with textured glass offering high quality transmissions, allowing module output efficiency of up to 15.3%. These sophisticated materials ensure minimized installation costs and maximized kWp output of your solar system, per unit area.



Guaranteed power output -0/+3%



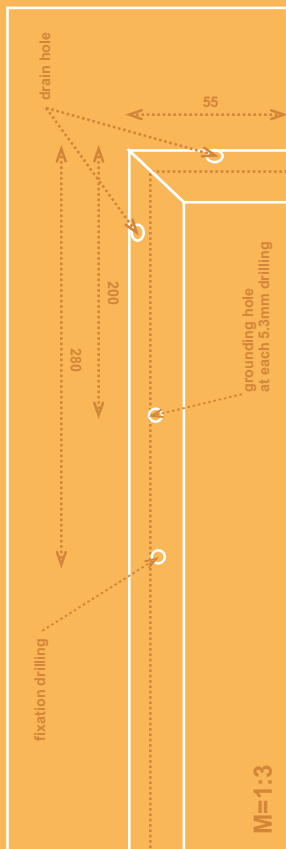
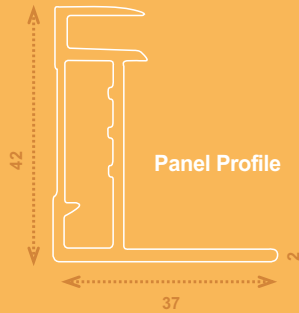
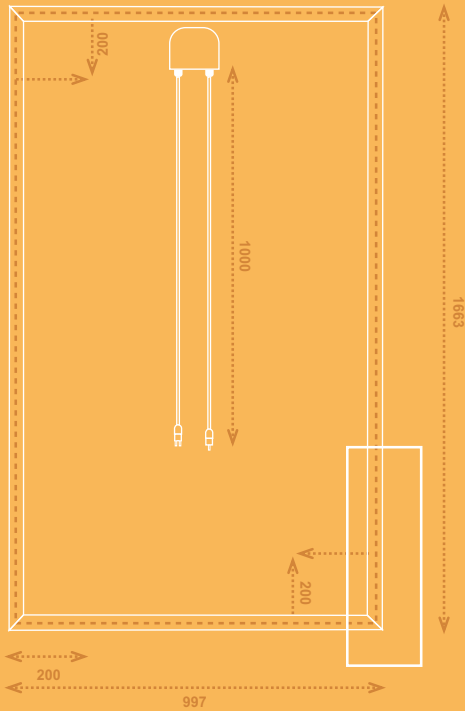
International certification bodies; ISO9001,ISO14001



High performance even under low light conditions

Approved original MC4 Photovoltaic connector
used with highest reliability

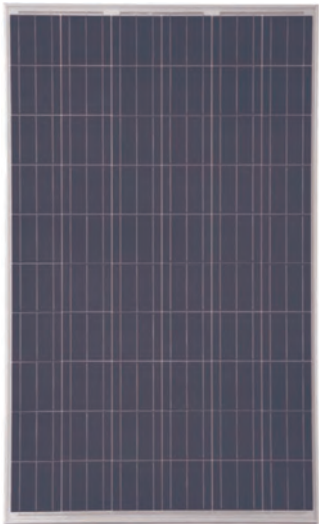
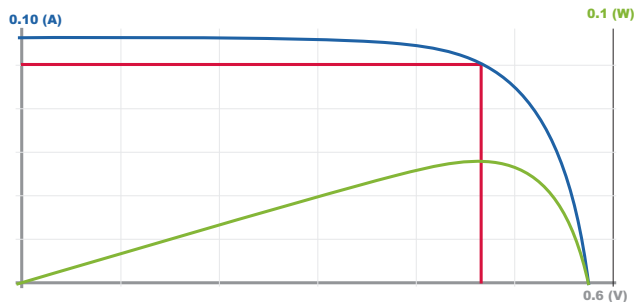
Back side of Panel



Module Design

Cell Type	Multi-crystalline; 3 bus bar
Cell configuration	60 (156mm x 156mm)
Dimensions	992 x 992 x 1650 mm
Weight	19.5kg
Frame	Extruded and anodized aluminum profile
Solar glass	3.2mm, tempered, low iron, highly transparent Safety glass
Encapsulation	Glass–EVA–PV cells–EVA–back sheet
Junction box	3 bypass diodes; cable 1000mm – 4mm ² (12 AWG); connectors; IP65; dimensions 110*115mm
Static Surface Load	2400Pa
Max Surface Load	5400Pa
Certifications	IEC 61730; IEC 61215
Module efficiency	up to 15.3%
Packaging	20 modules per pallet (or as specified)
Connector	MC4
Note: Trina Laminate framed locally by ARTsolar	

ELECTRICAL DATA @ STC	240Wp	245Wp	250Wp
Peak Power Watts - P _{MAX} (Wp)	240Wp	245Wp	250Wp
Power Output Tolerance - P _{MAX} (%)	0/+3	0/+3	0/+3
Maximum Power Voltage - V _{mpp} (V)	29.7V	30.2V	30.3V
Maximum Power Current - I _{mpp} (A)	8.10A	8.13A	8.27A
Open Circuit Voltage - V _{oc} (V)	37.3V	37.5V	37.6V
Short Circuit Current - I _{sc} (A)	8.62A	8.68A	8.85A
Reverse Current - I _R (A)		18A	
240-250Wp MODULES:			
Operating Temperature - (°C)	-40<T<85°C		
Nominal Operating Cell Temperature - (Noct)	45°C		
Temperature Coefficient of P _{MAX}	-0.43% / °C		
Temperature Coefficient of V _{oc}	-0.32% / °C		
Temperature Coefficient of I _{sc}	0.047% / °C		
Maximum System Voltage - (V)	1000V DC (IEC)/600V DC (UL)		
Fuse Ratings - (A)	15A		



Dimensions:
All dimensions in mm. For more details see installation manual.
Exact terms and conditions subject to contract. Specifications and design subject to change without notice. Errors & mistakes accepted.

Certifications:
The Trina laminates hold ISO19001 & ISO14001 certificates and undergo periodic inspections by TUV Rheinland.

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