THE Honey

N-type i-TOPCon

BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

TSM-NEG9M4C.26 **280-300W**

300W / MAXIMUM POWER OUTPUT

18.3% / MAXIMUM EFFICIENCY

Our Most Versatile Replacement Module

- Drop-in replacement for legacy Trinasolar Honey and similar 60-cell modules, with compatibility across old and new inverters
- Enables reboosting with the latest N-type i-TOPCon technology while keeping existing mounting structures
- Certified to withstand 5400 Pa positive and 2400 Pa negative loads in extreme wind, snow, and weather conditions

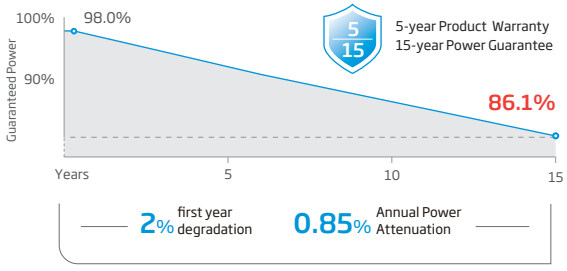
Space-Saving Design for Complex Scenarios

- Compact size (1.65 × 0.99 m) and low weight enable easy installation in tight or space-limited areas
- Ideal for complex rooftops with multiple angles, obstructions, or frequent shading
- Translucent design with around 20% transmittance suitable for light required environments

Proven Reliability and High Energy Gain

- Excellent high-temperature performance with a low temperature coefficient of -0.29%/°C
- Certified under IEC standards and tested to rigorous internal quality protocols for safe, reliable operation in harsh conditions
- Higher bifaciality, with up to 10~20% additional power gain from back side depending on albedo

Performance Warranty



* Please refer to product warranty for details

Comprehensive Products and System Certificates

IEC61215/IEC61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
OHSAS 18001: Occupational Health and Safety Management System

Version number: TSM_EN_2025_A_E1

Trinasolar

THE Honey

N-type i-TOPCon Bifacial Dual Glass Monocrystalline Module

ELECTRICAL DATA (STC)

Peak Power Watts-PMAX(Wp)*	280	285	290	295	300
Power Selection (W)**			0 ~ +5		
Maximum Power Voltage-VMPP (V)	33.0	33.4	33.8	34.2	34.6
Maximum Power Current-IMPP (A)	8.49	8.54	8.58	8.63	8.67
Open Circuit Voltage-VOC (V)	39.8	40.0	40.2	40.5	40.9
Short Circuit Current-ISC (A)	8.89	8.94	9.02	9.10	9.17
Module Efficiency η m (%)	17.1	17.4	17.7	18.0	18.3

STC: Irrdiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%. **Power selection up to: +3%.

ELECTRICAL DATA (NOCT)

Peak Power Watts-PMAX(Wp)	215	218	222	224	228
Maximum Power Voltage-VMPP (V)	31.6	31.9	32.1	32.3	32.6
Maximum Power Current-IMPP (A)	6.79	6.84	6.90	6.95	7.00
Open Circuit Voltage-VOC (V)	38.0	38.2	38.5	38.4	38.8
Short Circuit Current-ISC (A)	7.17	7.22	7.29	7.33	7.39

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43℃ (±2℃)
Temperature Coefficient of PMAX	- 0.29% /℃
Temperature Coefficient of VOC	- 0.24% /℃
Temperature Coefficient of ISC	0.04% /℃

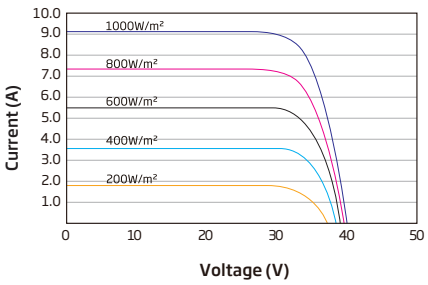
Due to different testing methods, the actual performances might differ from the declared specifications.

APPLICATION CONDITIONS

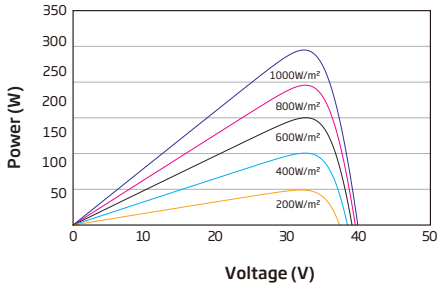
Operating Temperature	-40~+70℃
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A

CURVES OF PV MODULE

I-V CURVES OF PV MODULE (295W)



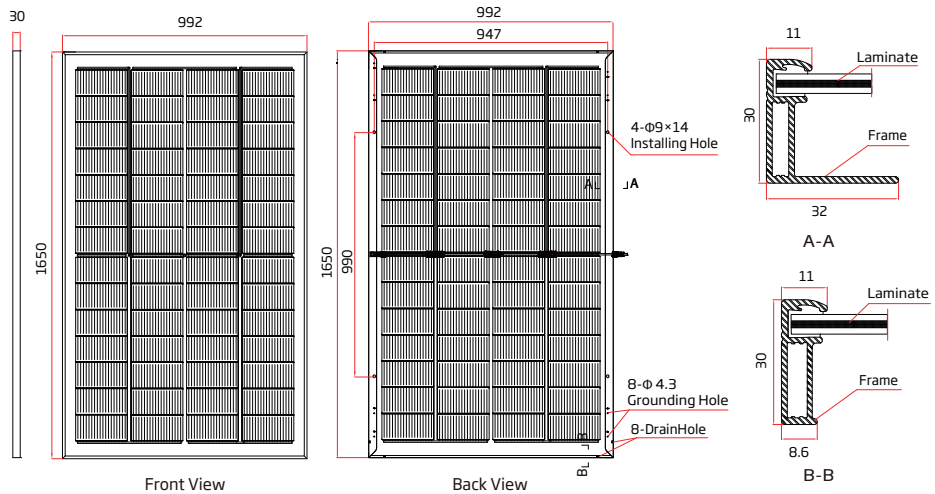
P-V CURVES OF PV MODULE (295W)



MECHANICAL DATA

Solar Cells	N-type i-TOPCon Monocrystalline
No. of cells	56 cells
Module Dimensions	1650×992×30 mm (64.96×39.06×1.18inches)
Weight	21.0 kg (46.30 lb)
Front Glass	2.0 mm (0.08 inches), AR Coating Strengthened Glass
Back Glass	2.0 mm (0.08 inches), Heat Strengthened Glass
Frame	30mm(1.18 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²) Length can be customized
Connector	MC4 EVO2 / TS4 Plus / TS4*
Packaging	Modules per box: 36 pieces Modules per 40' container: 1008 pieces

*Please refer to regional datasheet for specified connector.



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

Version number: TSM_EN_2025_A_E1

www.trinasolar.com

Trinasolar