

**BIFACIAL BIPV
TOPCON
MONOKRISTALLIN
64 TNKB12R**

◆ **TT305-64TNKB12R 175**



High Conversion Efficiency

High panel efficiency to guarantee high power output



**Self-Cleaning And
Anti-Reflection Glass**

Coating glass for self-cleaning reduces surface dust



Outstanding Low Irradiation Glass

Outstanding panel performance even in weak light conditions



Excellent Durability

Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5W Positive Power Tolerance



Easy Installation



Twice EVA Laminated Double Glass



**According to guideline DIN 18008. For vertical
and overhead glazing (DIBt Z-70.3-293 Approval).**

Deutsches
Institut
für
Bautechnik

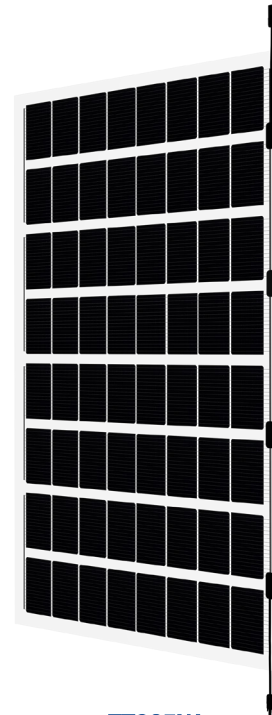
DIBt

TommaTech GmbH

Allgemeine
bauaufsichtliche
Zulassung/
Allgemeine Bau-
artgenehmigung

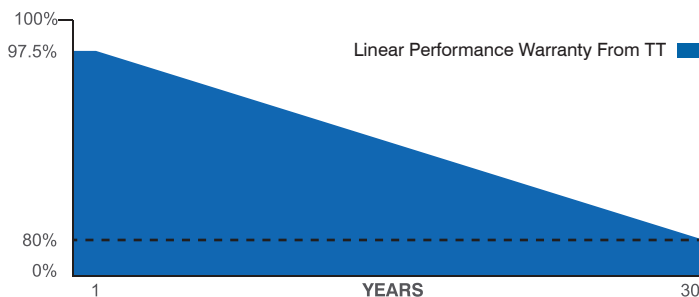
Nr. Z-70.3-293

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TT305Wp

TommaTech's Building Integrated Solar Modules (BIPV) are designed with the latest generation of high efficiency cells, providing a smart and environmentally friendly energy solution that is also aesthetically pleasing. Designed in 4 main sizes, the solar modules are preferred in many areas such as restaurants, cafes, homes, offices, workplaces, hotels, pools, conservatories and terraces of houses. The system is equipped with aluminum infrastructure and provides both thermal insulation and tightness. The system, which can be designed as an off-grid, grid-tied or hybrid solar energy system, is also a real eye-catcher.



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



SOMPO



30 Years Performance Warranty



30 Years Product Warranty

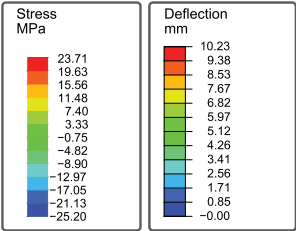
Model Type	64TNKB12R-175
Peak Power (Pmax)	305 Wp
Module Efficiency	17.78
Maximum Power Voltage (Vmp)	40.11
Maximum Power Current (Imp)	7.61
Open Circuit Voltage (Voc)	46.72
Short Circuit Current (Isc)	8.20
Cells per Module	64 (8x8)
Cell Dimensions(mm)	182.3x105
Panel Dimensions (mm)	1750x980x7.6
Weight (kg)	33.02
Transparent Area (%)	29
Front / Back Glass Thickness (mm)	3.2 / 4.0
Power Tolerance	0~+5W
Maximum System Voltage	1500V DC
Nominal Operating Cell Temp.	-40 ~ +85°C
Protection Class	Class II
Maximum Series Fuse Rating	20A
Max. Wind/Snow Load (Pa)	2400 / 2400
Junction Box	IP68
Junction Box Cable Length(cm)	30-130

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc	0.046%/°C
Temp. Coeff. of Voc	-0.260%/°C
Temp. Coeff. of Pmax	-0.300%/°C

PACKING CONFIGURATION

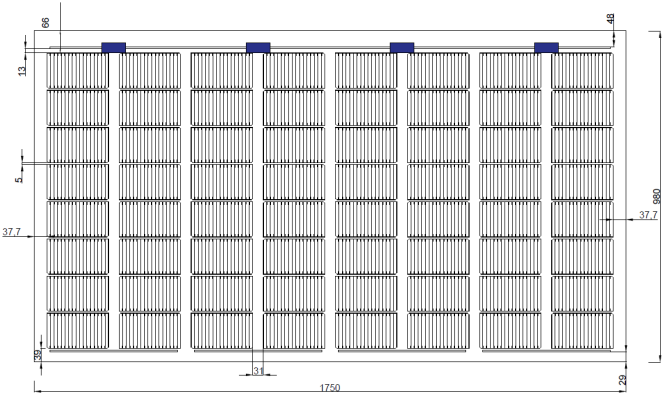
Module Model	64TNKB12R
Truck	40' GP
Pieces per Pallet	20
Pieces per Conteyner	400
Pallet per Conteyner	20
Weight of Pallet (kg)	661



*Simulation Results Under 2400Pa Pressure

PHYSICAL CHARACTERISTICS

TT305-64TNKB12R 175



* The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 6%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The technical specifications in this document may vary. For more information, refer to the "Installation Manual".

* For roof, facades and installations on similar surfaces, solar panels should be mounted over a fire-resistant covering suitable for this application, with adequate ventilation between the back of the solar panels and the mounting surface. Improper installations are hazardous and may spark a fire. Solar panels must not be mounted on structures and roofs which are made of not fire-resistant materials such as plastic layer, transparent plastic, PVC or similar materials without any fire-protection layer. Usage and installation not in accordance with the guidelines as outlined in the installation manual will terminate the warranty. Please refer to the installation manual and the warranty documents for further details.

* TommaTech® GmbH reserves the right to change the specification of products without prior notice.