

BIPV
PERC MONOCRYSTALLINE

Half Cut

◆ TT260-BIPV12

◆ TT325-BIPV12

◆ TT390-BIPV12



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



Durability Excellent

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



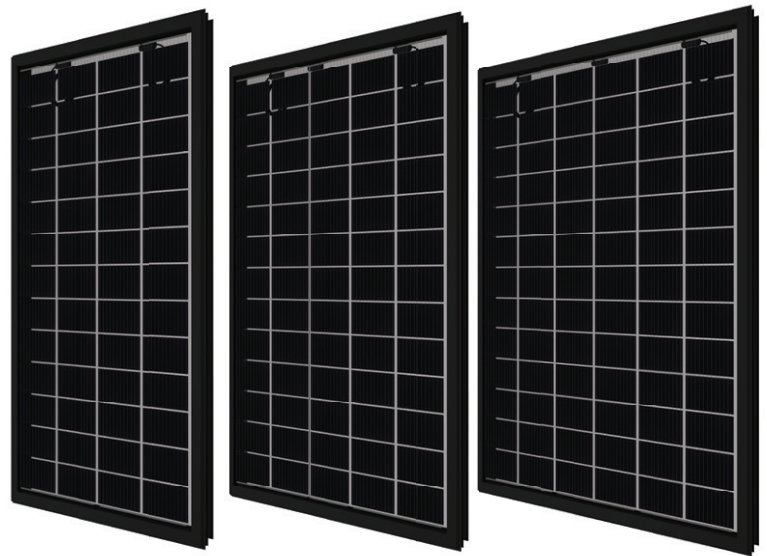
0~+5W Positive Power Tolerance



Easy Installation



Twice EVA Laminated Double Glass



TommaTech BIPV solar panels are designed for use in facade applications of on-grid and off-grid solar energy systems. The new generation solar panels provide the highest energy production per unit area through the updated cell shape and size. The PERC technology optimizes the electron capture capability of the cells, thus increasing the efficiency of the cells and consequently the panels. In the BIPV solar panels, the cell and string connection structure can be flexibly adjusted according to the indoor lighting needs of the application area, allowing for more flexible panel design. Thanks to the special glass technology used on both sides of the panel, the BIPV panels offer a long lifespan and complete safety in terms of insulation.



ISO 9001:2015, ISO 14001:2015, ISO 45001:2018



SOMPO
INSURANCE

Model Type	TT260 BIPV12	TT325 BIPV12	TT390 BIPV12
Peak Power (P_{max})	260 Wp	325 Wp	390 Wp
Maximum Power Voltage (V_{mp})	30.35	37.94	45.53
Maximum Power Current (I_{mp})	8.57	8.57	8.57
Open Circuit Voltage (V_{oc})	35.80	44.75	53.70
Short Circuit Current (I_{sc})	9.06	9.06	9.06
Power Tolerance	0~+5W		
Maximum System Voltage	1000V DC /1500V DC		
Nominal Operating Cell Temp.	-40 ~ +85°C		
Protection Class	Class II		
Maximum Series Fuse Rating	15A/20A		

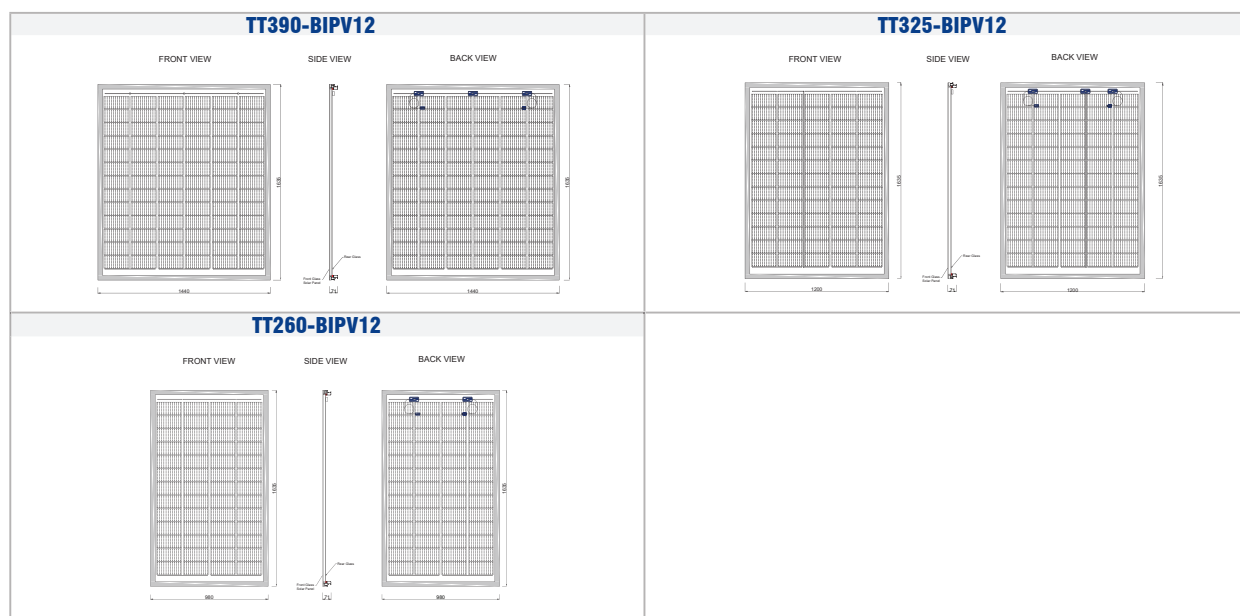
MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	105 x 210		
Cells per Module(pcs)	52 (4x13)	65 (5x13)	78 (6x13)
Weight(kg)	57.0 (260BIPV)	68.70 (325BIPV)	81.65 (390BIPV)
Panel Dimensions(mm)	980x1635x71	1200x1635x71	1635x1440x71
Max. Wind/Snow Load(Pa)	2400/5400		
Junction Box	IP67 / IP68		

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (I_{sc})	0.05%/°C
Temp. Coeff. of (V_{oc})	-0.28%/°C
Temp. Coeff. of (P_{max})	-0.35%/°C

PHYSICAL CHARACTERISTICS



* 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