PERC MONOCRYSTALLINE 36-48PM12

TOMMATECH GmbH

GERMAN-based company

- TT250-48PM12 250 Wp
- TT240-48PM12 240 Wp
- TT120-36PM12 120 Wp
- TT90-36PM12 90 Wp
- TT60-36PM12 60 Wp

2 YEARS Product Warranty

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

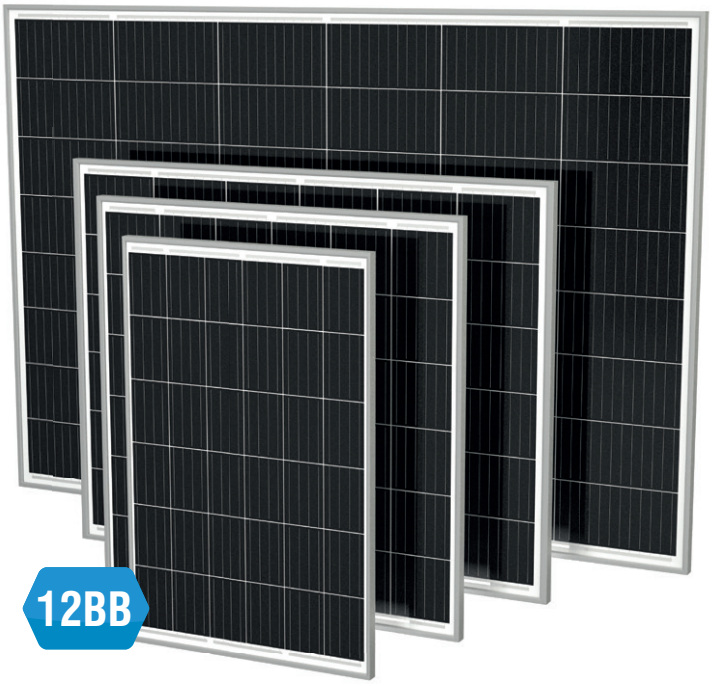
Outstanding panel performance even in weak light conditions

Excellent Durability

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

0～+5W Positive Power Tolerance

Easy Installation



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

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Half-Cut

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Model Type	TT60 36PM12	TT90 36PM12	TT120 36PM12	TT240 48PM12	TT250 48PM12
Peak Power (Pmax)	60 Wp	90 Wp	120 Wp	240 Wp	250 Wp
Maximum Power Voltage (Vmp)	20.77	20.77	20.77	27.70	28.10
Maximum Power Current (Imp)	2.90	4.34	5.78	8.67	8.90
Open Circuit Voltage (Voc)	24.37	24.37	24.37	32.50	32.90
Short Circuit Current (Isc)	3.04	4.55	6.06	9.11	9.50
Cell per Module	36 (6x6)	36 (6x6)	36 (6x6)	48 (6x8)	48 (6x8)
Cell Dimensions (mm)	70 x 105	105 x 105	140 x 105	210x105	210x105
Panel Dimensions (mm)	464x692x20	674x692x20	884x692x20	931x1303x30	931x1303x30
Weight (kg)	4	5.54	7.10	13.46	13.46
System Voltage (V)	12				
Operating Temperature	-40 ~ +85°C				

MECHANICAL SPECIFICATIONS

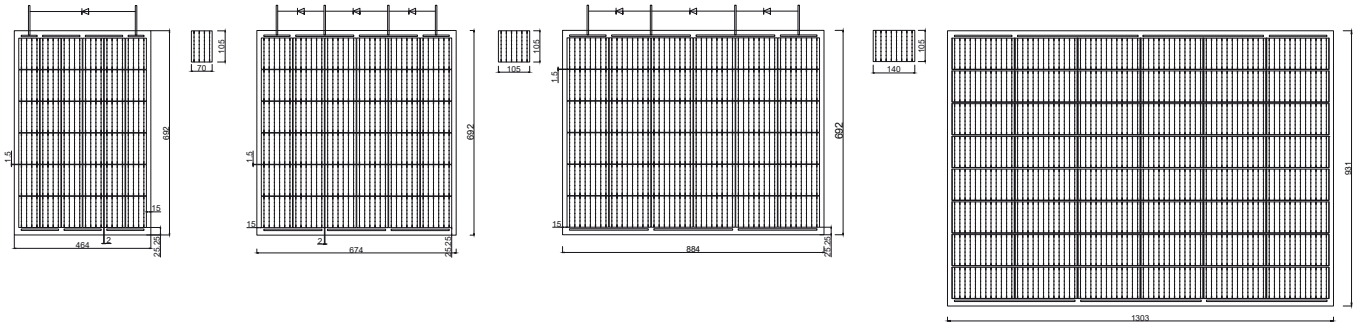
Solar Glass	3.2mm Low iron, Tempered Glass
Frame	Anodized Aluminum
Junction Box	IP67 / IP68
Junction Box	4mm²
Cable	500mm

TEMPERATURE CHARACTERISTICS

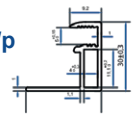
Temp. Coeff. of (Isc)	0.050%/°C
Temp. Coeff. of (Voc)	-0.270%/°C
Temp. Coeff. of (Pmax)	-0.350%/°C

PHYSICAL CHARACTERISTICS

Unit: mm



60 Wp | 90 Wp | 120 Wp | 240Wp / 250 Wp



* 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.