DIAMOND PLUS

Powered by TOMMATECH GmbH

GERMAN-based company

15 -YEARS- Product Warranty

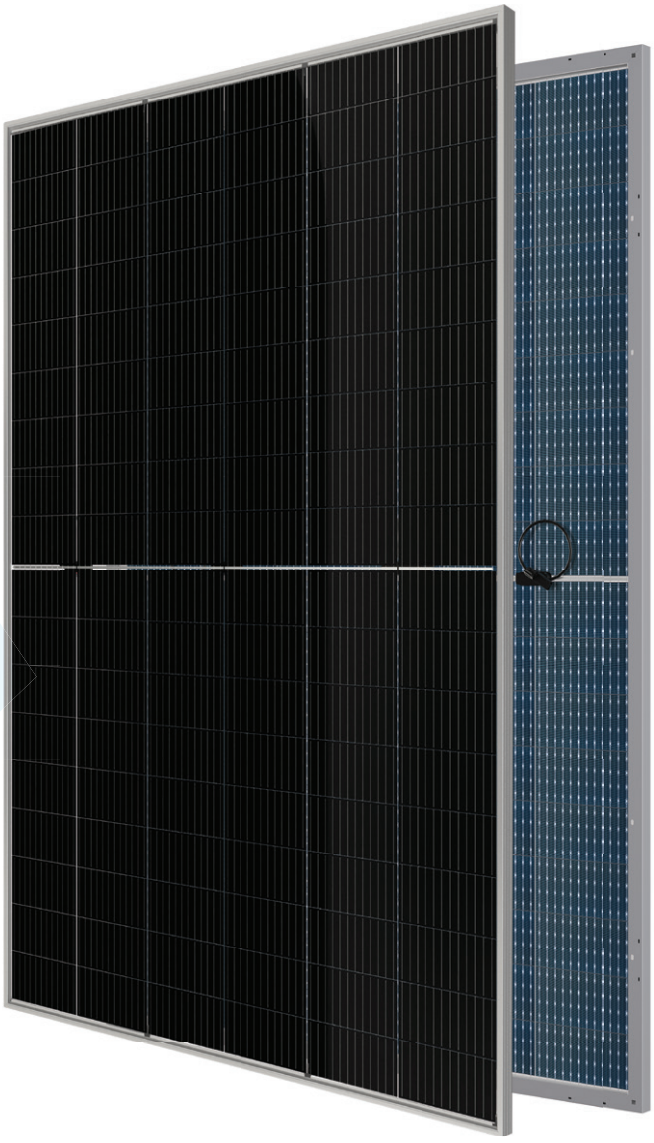
30 -YEARS- Performance Warranty

BIFACIAL PERC MONOCRYSTALLINE

108PMB12 (645-670Wp)

Half Cut

BIFACIAL 12BB



High Conversion Efficiency

High panel efficiency to guarantee high power output

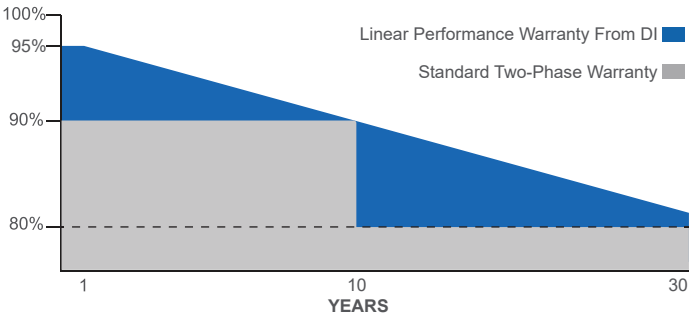
Self-Cleaning And Anti-Reflection Glass

Coating glass for self-cleaning reduces surface dust

Outstanding Low Irradiation Glass

Outstanding panel performance even in weak light conditions

Easy Installation



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

DIAMOND PLUS

Powered by TOMMATECH GmbH

GERMAN-based company

BIFACIAL PERC MONOCRYSTALLINE

ELECTRICAL CHARACTERISTICS

Model Type	DI545 108PMB12	DI550 108PMB12	DI555 108PMB12	DI560 108PMB12	DI565 108PMB12	DI570 108PMB12
Peak Power (P_{max})	545 Wp	550 Wp	555 Wp	560 Wp	565 Wp	570Wp
Module Efficiency	21.29	21.48	21.68	21.87	22.07	22.26
Maximum Power Voltage (V_{mp})	31.3	31.5	31.7	31.90	32.10	32.30
Maximum Power Current (I_{mp})	17.42	17.46	17.51	17.56	17.61	17.65
Open Circuit Voltage (V_{oc})	37.7	37.9	38.1	37.30	38.50	38.70
Short Circuit Current (I_{sc})	18.45	18.49	18.54	18.60	18.65	18.71
Power Tolerance	±%10					
Maximum System Voltage	1500V DC					
Operating Temperature	-40 ~ +85°C					
Protection Class	Class II					
Maximum Series Fuse Rating	25A					

Rear Power Gain	5%	10%	15%	20%
Maximum Power (Pmax)(545Wp)	572.25	599.50	626.75	654.00
Module Efficiency% (545Wp)	22.35	23.42	24.48	25.55
Maximum Power (Pmax)(550Wp)	577.50	605.00	632.50	660.00
Module Efficiency% (550Wp)	22.55	23.63	24.70	25.77
Maximum Power (Pmax)(555Wp)	582.75	610.50	638.25	666.00
Module Efficiency% (555Wp)	22.76	23.85	24.93	26.02
Maximum Power (Pmax)(560Wp)	588.00	616.00	644.00	672.00
Module Efficiency% (560Wp)	22.96	24.05	25.15	26.24
Maximum Power (Pmax)(565Wp)	593.25	621.50	649.75	678.00
Module Efficiency% (565Wp)	23.17	24.27	25.38	26.48
Maximum Power (Pmax)(570Wp)	598.50	627.00	655.50	684.00
Module Efficiency% (570Wp)	23.37	24.48	25.59	26.71

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	210x105
Cells per Module(pcs)	108 (6x18)
Weight(kg)	27.5
Panel Dimensions(mm)	1965x1303x30
Max. Wind/Snow Load(Pa)	1600/1600
Junction Box	IP68
Junction Box Cable Length(mm)	300

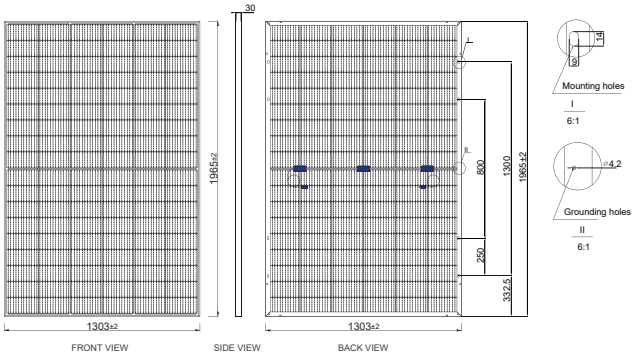
PACKING CONFIGURATION

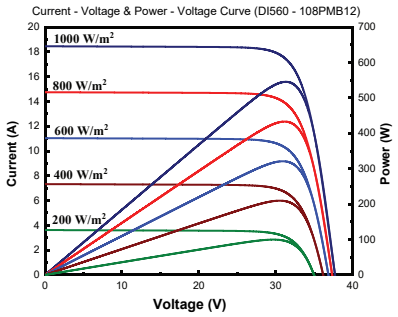
Container	40' GP
Pieces per Pallet	36
Pieces per Container	648
Pallet Per Container	18

TEMPERATURE CHARACTERISTICS

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

PHYSICAL AND ELECTRICAL 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 10%. 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 specifications are subject to change without prior notice.

* 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 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.

* Reserves the right to change the specification of products without prior notice.

* Not suitable for use in on-grid systems.