DIAMOND PLUS

Powered by TOMMATECH GmbH

GERMAN-based company

15 YEARS Product Warranty

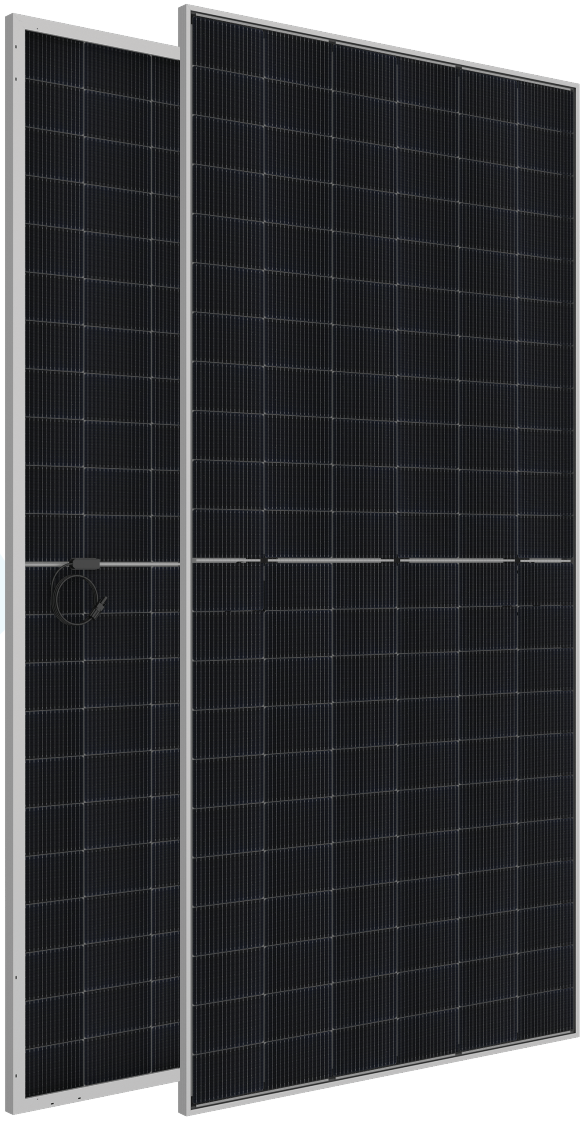
30 YEARS Performance Warranty

BIFACIAL TOPCON MONOCRYSTALLINE

132TNB12R (720-750 Wp)

Half Cut

BIFACIAL | 16BB



High Conversion Efficiency

High panel efficiency to guarantee high power output

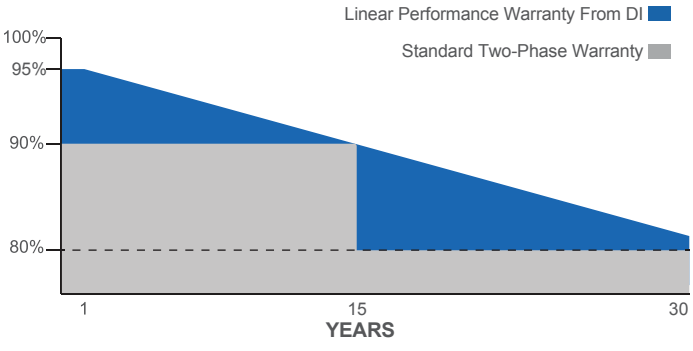
Self-Cleaning And Anti-Reflection Glass

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

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BIFACIAL TOPCON MONOKRİSTAL

ELECTRICAL CHARACTERISTICS

Model Type	DI620 132TNB12R	DI625 132TNB12R	DI630 132TNB12R	DIT635 132TNB12R	DI640 132TNB12R	DI645 132TNB12R	DI650 132TNB12R	DI655 132TNB12R	DI660 132TNB12R
Peak Power (Pmax)	620	625	630	635	640	645	650	655	660
Module Efficiency	22.95	23.14	23.32	23.51	23.69	23.88	24.06	24.25	24.43
Maximum Power Voltage (Vmp)	41.02	41.22	41.42	41.62	41.82	42.02	42.22	42.42	42.62
Maximum Power Current (Imp)	15.12	15.17	15.22	15.26	15.31	15.35	15.40	15.45	15.49
Open Circuit Voltage (Voc)	48.99	49.19	49.39	49.59	49.79	49.99	50.19	50.39	50.59
Short Circuit Voltage (Isc)	16.02	16.08	16.14	16.20	16.26	16.32	16.38	16.44	16.50
Power Tolerance	±%10								
Maximum System Voltage	1500V DC								
Operating Tempurature	-40° ~ +85°C								
Protection Class	Class II								
Maximum Series Fuse Rating	30A								

REAR SIDE POWER GAIN

Rear Side Maximum Power Gain	5%	10%	15%	20%
Maximum Power Pmax (620Wp)	651.00	682.00	713.00	744.00
Module Efficiency% (620Wp)	24.10	25.25	26.40	27.54
Maximum Power Pmax (625Wp)	656.25	687.50	718.75	750.00
Module Efficiency% (625Wp)	24.29	25.45	26.61	27.77
Maximum Power Pmax (630Wp)	661.50	693.00	724.50	756.00
Module Efficiency% (630Wp)	24.49	25.66	26.82	27.99
Maximum Power Pmax (635Wp)	666.75	698.50	730.25	762.00
Module Efficiency% (635Wp)	24.68	25.86	27.03	28.21
Maximum Power Pmax (640Wp)	672.00	704.00	736.00	768.00
Module Efficiency% (640Wp)	24.88	26.06	27.25	28.43
Maximum Power Pmax (645Wp)	677.25	709.50	741.75	774.00
Module Efficiency% (645Wp)	25.07	26.27	27.46	28.65
Maximum Power Pmax (650Wp)	682.50	715.00	747.50	780.00
Module Efficiency% (650Wp)	25.27	26.47	27.67	28.88
Maximum Power Pmax (655Wp)	687.75	720.50	753.25	786.00
Module Efficiency% (655Wp)	25.46	26.67	27.89	29.10
Maximum Power Pmax (660Wp)	693.00	726.00	759.00	792.00
Module Efficiency% (660Wp)	25.66	26.88	28.10	29.32

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	182.3x105
Cells per Module(pcs)	132 (6x22)
Weight(kg)	31.1
Panel Dimensions(mm)	2382x1134x35
Max. Wind/Snow Load(Pa)	1600/1600
Junction Box	IP68
Junction Box Cable Length(mm)	300-1600

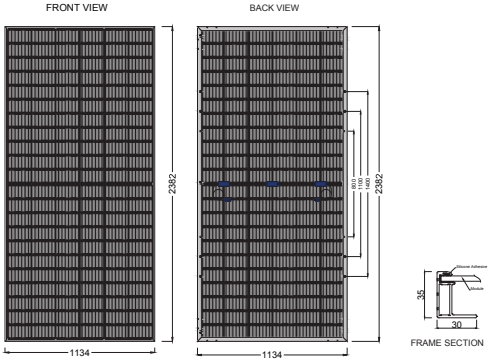
PACKING CONFIGURATION

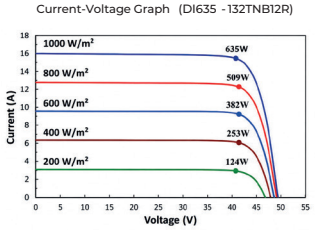
Container	40' GP
Pieces per Pallet	31
Pieces per Container	496
Pallet per Container	16

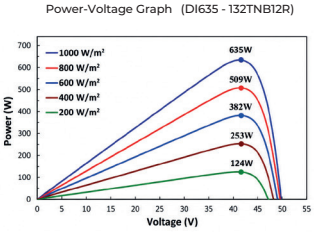
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.041%/°C
Temp. Coeff. of (Voc)	-0.250%/°C
Temp. Coeff. of (Pmax)	-0.290%/°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.