

PLATIN PLUS

Powered by **TOMMATECH**
GmbH
GERMAN-based company



BIFACIAL TOPCON MONOCRYSTALLINE 144TNB10 (715-745 Wp)

Half Cut

DOUBLE GLASS

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

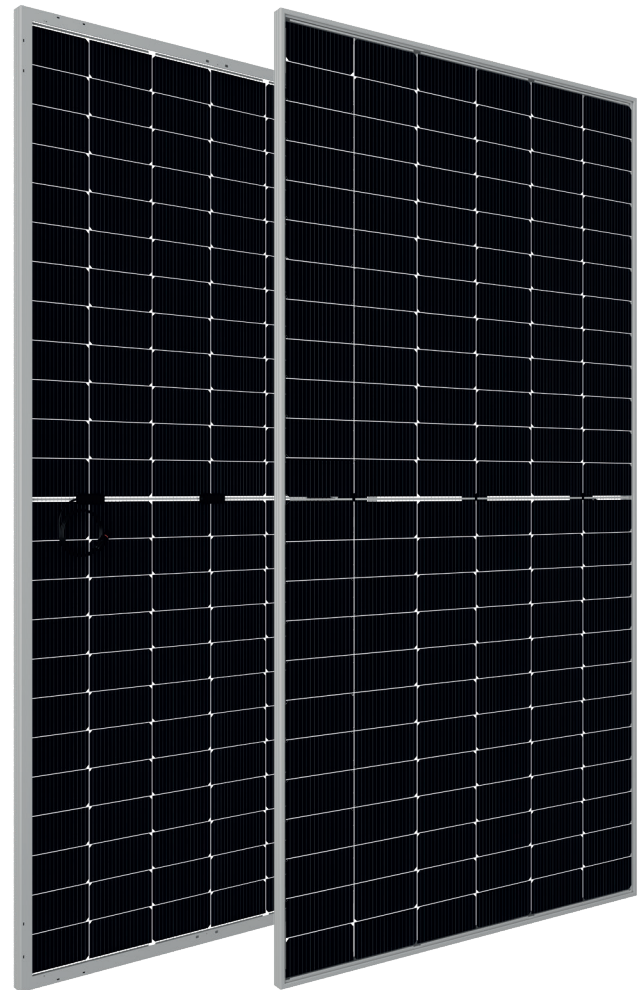
Outstanding panel performance even in weak light conditions



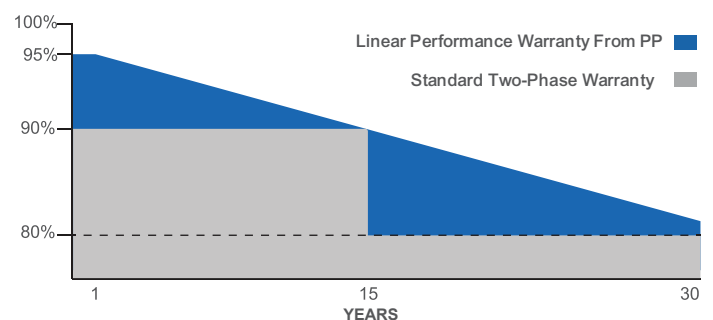
Easy Installation



Double Sided Power Generation



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



ELECTRICAL CHARACTERISTICS

Model Type	PP600 144TNB10	PP605 144TNB10	PP610 144TNB10	PP615 144TNB10	PP620 144TNB10	PP625 144TNB10	PP630 144TNB10	PP635 144TNB10	PP640 144TNB10
Peak Power (Pmax)	600Wp	605Wp	610Wp	615Wp	620Wp	625Wp	630Wp	635Wp	640Wp
Module Efficiency	23,23	23,42	23,61	23,81	24,00	24,19	24,39	24,58	24,77
Maximum Power Voltage (Vmp)	43,75	43,95	44,15	44,35	44,55	44,75	44,95	45,15	45,35
Maximum Power Current (Imp)	13,72	13,77	13,82	13,87	13,92	13,97	14,02	14,07	14,12
Open Circuit Voltage (Voc)	52,38	52,58	52,78	52,98	53,18	53,38	53,58	53,78	53,98
Short Circuit Current (Isc)	14,42	14,48	14,54	14,60	14,66	14,72	14,78	14,84	14,90
Power Tolerance	±%10								
Maximum System Voltage	1500V DC								
Operating Temperature	-40° ~ +85°C								
Protection Class	Class II								
Maximum Series Fuse Rating	30A								

Rear Power Gain	5%	10%	15%	20%
Maximum Power (Pmax)(640Wp)	672.00	704.00	736.00	768.00
Module Efficiency% (640Wp)	26.01	27.25	28.49	29.72
Maximum Power (Pmax)(635Wp)	666.75	698.50	730.25	762.00
Module Efficiency% (635Wp)	25.81	27.04	28.27	29.50
Maximum Power (Pmax)(630Wp)	661.50	693.00	724.50	756.00
Module Efficiency% (630Wp)	25.61	26.83	28.05	29.27
Maximum Power (Pmax)(625Wp)	656.25	687.50	718.75	750.00
Module Efficiency% (625Wp)	25.40	26.61	27.82	29.03
Maximum Power (Pmax)(620Wp)	651.00	682.00	713.00	744.00
Module Efficiency% (620Wp)	25.20	26.40	27.60	28.80
Maximum Power (Pmax)(615Wp)	645.75	676.50	707.25	738.00
Module Efficiency% (615Wp)	25.00	26.19	27.38	28.57
Maximum Power (Pmax)(610Wp)	640.50	671.00	701.50	732.00
Module Efficiency% (610Wp)	24.79	25.97	27.15	28.33
Maximum Power (Pmax)(605Wp)	635.25	665.50	695.75	726.00
Module Efficiency% (605Wp)	24.59	25.76	26.93	28.10
Maximum Power (Pmax)(600Wp)	630.00	660.00	690.00	720.00
Module Efficiency% (600Wp)	24.39	25.55	26.71	27.88

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	182.2x 91.8
Cells per Module(pcs)	144 (6x24)
Weight(kg)	33.0
Panel Dimensions(mm)	2278x1134x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	300-1600
Glass Thickness (mm)	2.0 - 2.0

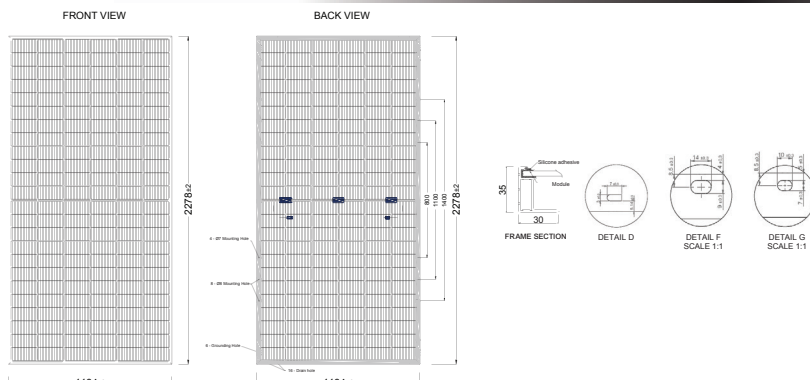
PACKING CONFIGURATION

Container	40' GP
Pieces per Pallet	31
Pieces per Container	620
Pallet Per Container	20

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.040%/°C
Temp. Coeff. of (Voc)	-0.260%/°C
Temp. Coeff. of (Pmax)	-0.300%/°C

PHYSICAL AND ELECTRICAL CHARACTERISTICS



Current - Voltage & Power - Voltage Curve (PP620-144TNB10)

