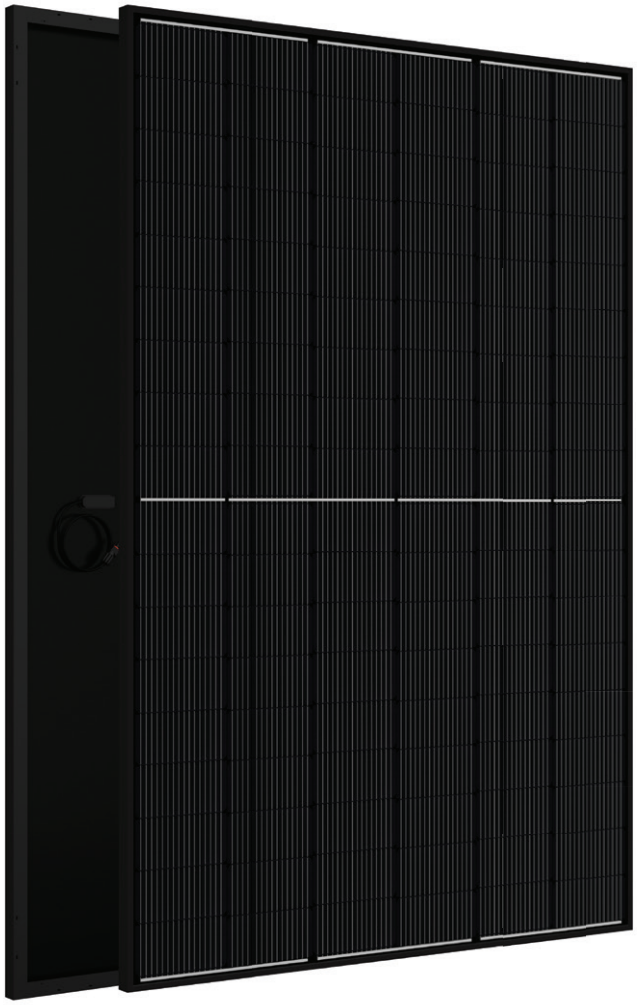
TOPCON MONOCRYSTALLINE 108TNFB10

TOMMATECH GmbH

GERMAN-based company

108 cell



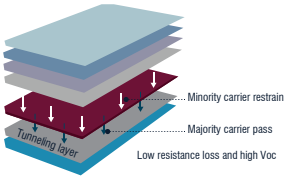
15 YEARS Product Warranty

30 YEARS Performance Warranty

HalfCut

Multi-BB

DARK SERIES



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

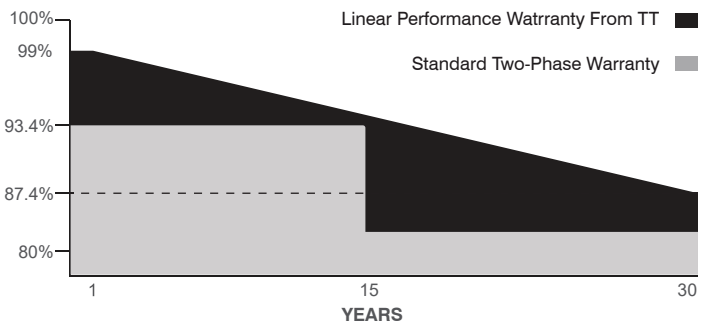
Outstanding panel performance even in weak light conditions

Excellent Durability

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

0~+5W Positive Power Tolerance

Easy Installation



30 Years Performance Warranty

15 Years Product Warranty

IEC 61215, IEC 61730-1, IEC 61730-2
IEC 62804 PID (POTENTIAL INDUCED DEGRADATION)
IEC 61701 SALT MIST CORROSION
IEC 62716 AMMONIA CORROSION
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

SOMPO SiGORTA

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DARK SERIES

108TNFB10

	TT415 108TNFB10	TT420 108TNFB10	TT425 108TNFB10	TT430 108TNFB10	TT435 108TNFB10
Peak Power (Pmax)	415 Wp	420 Wp	425Wp	430 Wp	435 Wp
Module Efficiency	21.25	21.51	21.76	22.02	22.28
Maximum Power Voltage (Vmp)	31.74	31.94	32.14	32.34	32.54
Maximum Power Current (Imp)	13.08	13.15	13.23	13.30	13.37
Open Circuit Voltage (Voc)	37.71	37.91	38.11	38.31	38.51
Short Circuit Current (Isc)	13.88	13.95	14.03	14.10	14.17
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC				
Operating Temperature	-40 ~ +85°C				
Protection Class	Class II				
Maximum Series Fuse Rating	25A				

MECHANICAL SPECIFICATION

Cell Dimensions (mm)	182x91
Cells per Module (pcs)	108 (6x18)
Weight (kg)	21.45
Panel Dimensions (mm)	1722x1134x30
Max. Wind/Snow Load (Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length (mm)	350-1600

TEMPERATURE CHARACTERISTICS

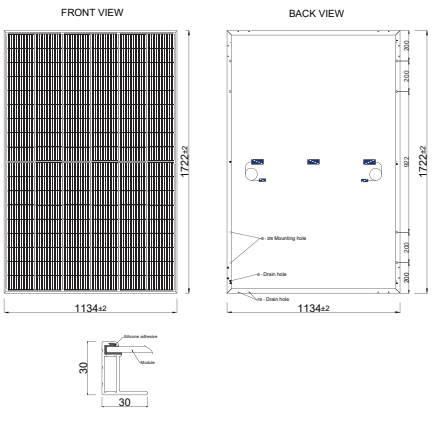
Temp. Coeff. of (Isc)	0.040%/°C
Temp. Coeff. of (Voc)	-0.260%/°C
Temp. Coeff. of (Pmax)	-0.30%/°C

PACKING CONFIGURATION

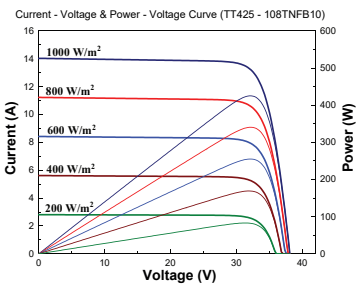
Container 40' HC

Pieces per Pallet	35
Pieces per Container	910
Pallets per Container	26

PHYSICAL CHARACTERISTICS



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 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.

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