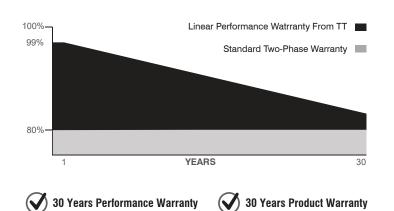
TOPCON MONOCRYSTALLINE 108TNFB10



108 cell

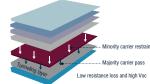






Half Cut Multi-BB DARK SERIES







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

 $0\sim$ + 5W Positive Power Tolerance



0~+5W

Easy Installation



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

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DARK SERIES

TECH
GmbH
company

108TNFB10

Peak Power (Pmax) Module Efficiency Maximum Power Voltage (Vmp) Maximum Power Current (Imp) Open Circuit Voltage (Voc) Short Circuit Current (Isc) Power Tolerance Maximum System Voltage Operating Temperature Protection Class Maximum Series Fuse Rating

TT435 108TNFB10	TT440 108TNFB10	TT445 108TNFB10	TT450 108TNFB10
435 Wp	440 Wp	445 Wp	450 Wp
22.28	22.53	22.79	23.04
32.54	32.74	32.94	33.14
13.37	13.44	13.51	13.58
38.51	38.71	38.91	39.11
14.17	14.24	14.31	14.38
	0~+	-5W	
	1500	V DC	
	-40 ~	+85°C	
	Cla	iss II	
	25	ōΑ	
	182	x91	
	108 (6x18)	

MECHANICAL SPECIFICATION

Cell Dimensions (mm) Cells per Module (pcs) Weight (kg) Panel Dimensions (mm) Max. Wind/Snow Load (Pa) Junction Box Sunction Box Cable Length (mm)

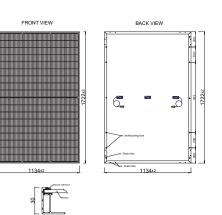
21.45 1722x1134x30 2400/5400 IP68 350-1600

TEMPERATURE CHARACTERISTICS

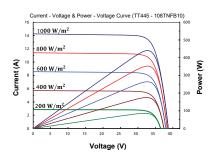
PACKING CONFIGURATION Container 40' HC

Temp. Coeff. of (Isc)	0.040%/°C	Pieces per Pallet	35
Temp. Coeff. of (Voc)	-0.260%/°C	Pieces per Container	910
Temp. Coeff. of (Pmax)	-0.30%/°C	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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