

TOPCon N-Type Flexible Solar Panel

TT280-FLEX-66TN10 280Wp



>%25.5

TOPCon
Cell Efficiency

2
YEARS

Product
Warranty

5
Yıl

Performance
Warranty



TOPCon N-Type Cell Technology

High Power Output under Low Irradiance Conditions



16 Busbar Technology

16 BB Cell Architecture for Enhanced Cell Performance



Ultra-Flexible Design

Easy Installation on Curved or Irregular Surfaces



Prismatic Surface

Maximum Light Absorption with Prismatic



Ultra Thin

Easy to Transport and Flexible to Install



Marine-Grade Design

High Resistance to Saltwater, Humidity, and Corrosion



Lightweight Design

Maximum Convenience for Transportation and Installation



Robust Layer Structure

Stronger Design Compared to Standard Flexible Solar Panels



IP68 Protection

High Protection Against Water and Dust

TommaTech FLEXIBLE TOPCon N-Type Flexible Solar Panel is designed for a wide range of applications, from caravans and boats to marine applications and mobile energy solutions. Its lightweight and flexible structure ensures excellent adaptability to curved surfaces, providing a highly efficient and reliable energy solution. Available in black and white color options, it offers aesthetic compatibility with various surfaces and designs, combining high performance and functionality with a sleek appearance.

TOPCon N-Type Flexible Solar Panel

TECHNICAL DATA

Electrical Characteristics	
MODEL TYPE	TT280-FLEX-66TN10
Maximum Power (Pmax)	280
Power Tolerance (Wp)	0-+5
Module Eciency (%)	21.6
Voltage at Maximum Power (Vmp)	42.17
Current at Maximum Power (Imp)	6.62
Open Circuit Voltage (Voc)	47.58
Short Circuit Current (Isc)	6.96
Maximum System Voltage (VDC)	1000
Maximum Series Fuse Rating (A)	15
Solar Cell	
Cell Type	TOPCon N-Type
Number of Busbars	16
Cell Eciency (%)	25.5
Cell Dimensions (mm)	182.2 x 91.8 (M10R)
Number of Cells	66
Temperature Coe cients	
Temperature Coecient of Isc	0.046%/°C
Temperature Coecient of Voc	-0.260%/°C
Temperature Coecient of Pmax	-0.320%/°C
Mechanical Specifications	
Product Dimensions [W x L x T] (mm)	1153x1086x2.6
Package Dimensions [W x L x T] (mm)	1200 x 1200 x 70
Product Weight (kg)	3.2
Package Weight (kg)	5
Module Protection Rating	IP68
Junction Box Specifications	
Connector	MC4
Junction Box Cable Size	12AWG
Junction Box Cable Lenght (mm)	300

*The above data were obtained under Standard Test Conditions (STC): irradiance of 1000 W/m², air mass AM 1.5, and a cell temperature of 25°C. The measurement uncertainty for all modules is ±6%. Actual values are subject to the applicable contractual agreements. The technical information provided in this document is for reference purposes only and does not constitute part of any contract. Specications are subject to change without prior notice. For detailed information, please refer to the Installation and Mounting Manual.

*TommaTech® GmbH reserves the right to change product specifications without prior notice.