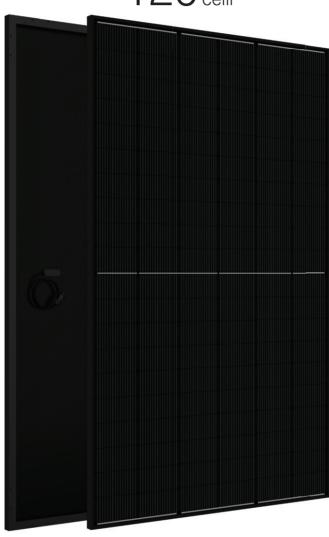
# CW === Enerii

# **TOPCON MONOCRYSTALLINE** • 120TNFB10

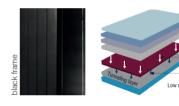
SOLAR **PANEL** 

**CW ENERJİ** 

 $120_{\text{cell}}$ 



# Half **Cut** Multi-BB **BLACK SERIES**





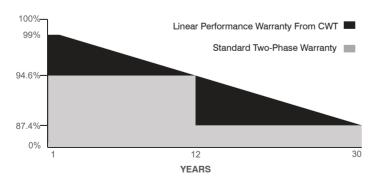
#### High Conversion Ef \( \text{cieny} \)

High panel ef ciency 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** 















### 120TNFB10

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

#### **MECHANICAL SPECIFICATION**

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

CWT460 120TNFB10	CWT465 120TNFB10	CWT470 120TNFB10	CWT475 120TNFB10	CWT480 120TNFB10
460 Wp	465 Wp	470 Wp	475 Wp	480 Wp
21.25	21.45	21.71	21.94	22.17
35.26	35.46	35.66	35.86	36.06
13.05	13.12	13.19	13.25	13.32
41.90	42.10	42.30	42.50	42.70
13.86	13.93	14.00	14.08	14.14
		0~+5W		
		1500V DC		
		-40 ~ +85°C		
		Class II		
		25A		
		182x91		
		120(6x20)		
		24.6		
		1909x1134x35		
		2400/5400		
		IP68		

350-1600

#### **TEMPERATURE CHARACTERISTICS**

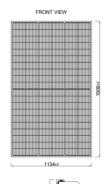
#### 

## PACKING CONFIGURATION Container 40' GP

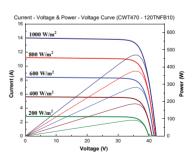
Pieces per Pallet	31	
•	744	
Pieces per Container	24	
Pallets per Container	24	
i anoto poi containoi		

#### PHYSICAL CHARACTERISTICS

#### **ELECTRICAL CHARACTERISTICS**







<sup>\*</sup> 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 3%. 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".

<sup>\*</sup> 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.

<sup>\*</sup> CW Energi reserves the right to change the specification of products without prior notice.