







# **BIFACIAL HIGH-EFFICIENCY SOLAR PANELS**

# Half Cut





# **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



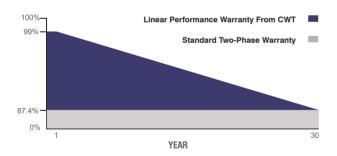
0~+5W Positive Power Tolerance



**Easy Installation** 



# **Twice EVA Laminated Double Glass**



30 Years Performance Warranty



**30 Years Product Warranty** 



CWT645-156TNB10 645 Wp CWT625-156TNB10 625 Wp

CWT650-156TNB10 650 Wp CWT630-156TNB10 630 Wp

CWT640-156TNB10 640 Wp CWT620-156TNB10 620 Wp

CWT635-156TNB10 635 Wp CWT615-156TNB10 615 Wp











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

#### **ELECTRICAL CHARACTERISTICS**

Model Type	CWT615 156TNB10	CWT620 156TNB10	CWT625 156TNB10	CWT630 156TNB10	CWT635 156TNB10	CWT640 156TNB10	CWT645 156TNB10	CWT650 156TNB10
Peak Power (Pmax)	615 Wp	620 Wp	625 Wp	630 Wp	635 Wp	640 Wp	645 Wp	650 Wp
Module Efficiency (%)	22.00	22.18	22.36	22.54	22.72	22.90	23.07	23.25
Maximum Power Voltage (Vmp)	45.73	45.93	46.13	46.33	46.53	46.73	46.93	47.13
Maximum Power Current (Imp)	13.45	13.50	13.55	13.60	13.65	13.70	13.75	13.80
Open Circuit Voltage (Voc)	55.14	55.34	55.54	55.74	55.94	56.14	56.34	56.54
Short Circuit Current (Isc)	14.16	14.22	14.28	14.34	14.40	14.46	14.52	14.58
Power Tolerance			<u> </u>	0~-	-5W			
Maximum System Voltage		1500V DC						
Operating Temperature	-40 ~ +85°C							
Protection Class		Class II						
Maximum Series Fuse Rating	25A							

#### **MECHANICAL SPECIFICATIONS**

**Cell Dimensions(mm/inch)** 

Panel Dimensions(mm/inch)

Glass Thickness(mm/inch)

Max. Wind/Snow Load(Pa)/(lb/ft2)

Junction Box Cable Length(mm/inch)

Cells per Module(pcs)

Weight(kg/lbs)

**Junction Box** 

**Frame Color** 

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182 x 91 / 7.16x 3.58

156 (6x26)

35.10 / 77.38

2465x1134x35 / 97.04x44.64x1.37

(2400 / 5400) / (50 / 212)

IP68

350-1600 / 13.78-63.00

(2.0 / 2.0) / (0.08 / 0.08)

Silver / Black

#### **REARSIDE POWER GAIN**

(620W Front Power Referenced)

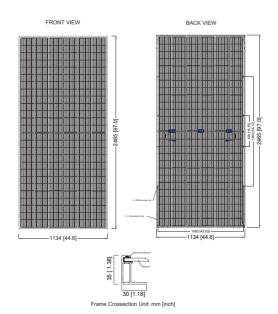
Rear Side Power Gain	10%	20%	30%
Peak Power (Pmax)	682.00	744.00	806.00

# **TEMPERATURE CHARACTERISTICS**

Temp. Coeff. of (Isc)	0.046%/°C
Temp. Coeff. of (V₀c)	-0.250%/°C
Temp. Coeff. of (Pmax)	-0.290%/°C

# PHYSICAL CHARACTERISTICS



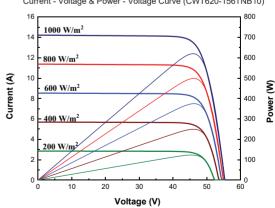


# **PACKING CONFIGURATION**

Container	40' HQ
Pieces per Pallet	31
Pieces Per Container	496
Pallet Per Container	16

## **ELECTRICAL CHARACTERISTICS**

Current - Voltage & Power - Voltage Curve (CWT620-156TNB10)



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".

\* 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

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



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 roots 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.