

# Half Cut DOUBLE GLASS



#### 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



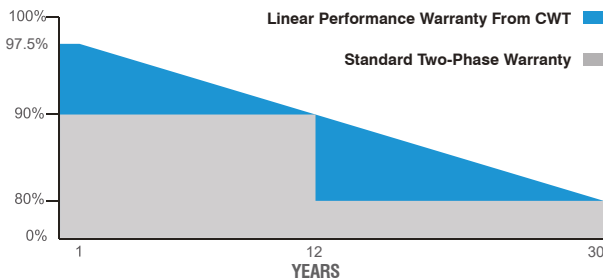
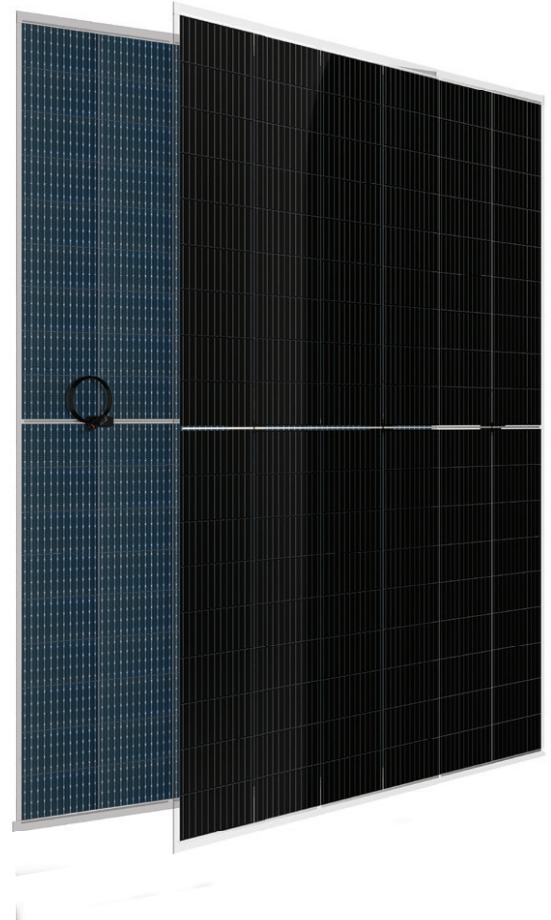
#### 0~+5W Positive Power Tolerance



#### Easy Installation



#### Twice EVA Laminated Double Glass



✓ 30 Years Performance Warranty ✓ 12 Years Product Warranty

CWT550-108PMB12 550 Wp

CWT545-108PMB12 545 Wp

CWT540-108PMB12 540 Wp

CWT535-108PMB12 535 Wp

CWT530-108PMB12 530 Wp

**30 YEARS**  
**PERFORMANCE 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

# BIFACIAL PERC MONOCRYSTALLINE • 108PMB12 **Half-Cut**

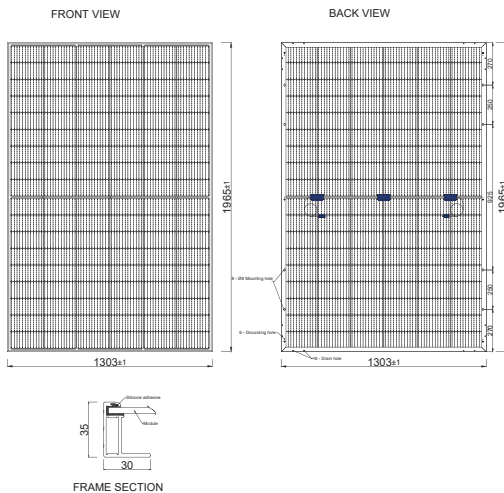
## ELECTRICAL CHARACTERISTICS

Model Type	CWT530 108PMB12	CWT535 108PMB12	CWT540 108PMB12	CWT545 108PMB12	CWT550 108PMB12
<b>Peak Power (Pmax)</b>	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
<b>Module Efficiency</b>	20.70	20.90	21.09	21.29	21.48
<b>Maximum Power Voltage (V<sub>mp</sub>)</b>	30.7	30.9	31.1	31.3	31.5
<b>Maximum Power Current (I<sub>mp</sub>)</b>	17.27	17.31	17.36	17.42	17.46
<b>Open Circuit Voltage (V<sub>oc</sub>)</b>	37.0	37.2	37.5	37.7	37.9
<b>Short Circuit Current (I<sub>sc</sub>)</b>	18.28	18.33	18.38	18.45	18.49
<b>Power Tolerance</b>	0~+5W				
<b>Maximum System Voltage</b>	1500V DC				
<b>Operating Temperature</b>	-40 ~ +85°C				
<b>Fire Safety Class</b>	C				
<b>Maximum Series Fuse Rating</b>	30A				

## MECHANICAL SPECIFICATIONS

<b>Cell Dimensions(mm)</b>	210x105
<b>Cells per Module(pcs)</b>	108 (6x18)
<b>Weight(kg)</b>	32.90
<b>Panel Dimensions(mm)</b>	1965x1303x35
<b>Max. Wind/Snow Load(Pa)</b>	2400/5400
<b>Junction Box</b>	IP68
<b>Junction Box Cable Length(mm)</b>	350-1600
<b>Glass Thickness (mm)</b>	2.0 / 2.0

## PHYSICAL CHARACTERISTICS



## TEMPERATURE CHARACTERISTICS

(545W Front Power Referenced)

Rear Side Power Gain	5%	10%	15%	20%	25%
<b>Peak Power (Pmax)</b>	572.25	599.50	626.75	654.00	681.25
<b>Short Circuit Current (I<sub>sc</sub>)</b>	19.34	20.24	21.13	22.03	22.93
<b>Open Circuit Voltage (V<sub>oc</sub>)</b>	37.78	37.86	37.93	38.00	38.06
<b>Maximum Power Current (I<sub>mp</sub>)</b>	18.26	19.11	19.96	20.82	21.67
<b>Maximum Power Voltage (V<sub>mp</sub>)</b>	31.34	31.37	31.39	31.42	31.44

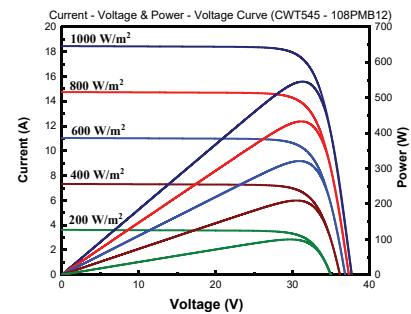
## TEMPERATURE CHARACTERISTICS

<b>Temp. Coeff. of (I<sub>sc</sub>)</b>	0.05%/°C
<b>Temp. Coeff. of (V<sub>oc</sub>)</b>	-0.27%/°C
<b>Temp. Coeff. of (Pmax)</b>	-0.35%/°C

## PACKING CONFIGURATION

<b>Container</b>	<b>40' GP</b>
<b>Pieces per Pallet</b>	30
<b>Pieces Per Container</b>	480
<b>Pallet Per Container</b>	16

## ELECTRICAL CHARACTERISTICS



\* The specifications are obtained under the standard test conditions: 1000W/m<sup>2</sup> 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 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 non 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.

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

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