CW Enerji®

CWT SOLAR PANEL

CW ENERJİ

BIFACIAL PERC MONOCRYSTALLINE • 144PMB10

Half Cut



High Conversion Efficiency
High panel efficiency to guarantee high power output

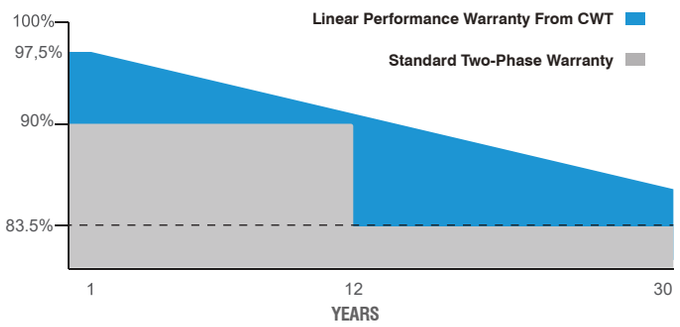
Self-Cleaning And Anti-Reflection Glass
Coating glass for self-cleaning reduces surface dust

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～+5Wp Positive Power Tolerance

Easy Installation



30 Years Performance Warranty
12 Years Product Warranty

CWT550-144PMB10 550 Wp
CWT545-144PMB10 545 Wp
CWT540-144PMB10 540 Wp
CWT535-144PMB10 535 Wp
CWT530-144PMB10 530 Wp

30 YEARS PERFORMANCE WARRANTY

SOMPO ISO PV CYCLE CE

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 • 144PMB10 Half-Cut

ELECTRICAL CHARACTERISTICS

Model Type	CWT530 144PMB10	CWT535 144PMB10	CWT540 144PMB10	CWT545 144PMB10	CWT550 144PMB10
Peak Power (Pmax)	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
Module Efficiency	20.45	20.67	20.84	21.03	21.23
Maximum Power Voltage (V_{mp})	41.60	41.80	42.00	42.20	42.40
Maximum Power Current (I_{mp})	12.75	12.80	12.86	12.92	12.98
Open Circuit Voltage (V_{oc})	49.40	49.60	49.80	50.00	50.20
Short Circuit Current (I_{sc})	13.58	13.63	13.70	13.76	13.82
Power Tolerance	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)	182,2x91,8
Cells per Module(pcs)	144 (24x6)
Weight(kg)	29.0
Panel Dimensions(mm)	2278x1134x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	300-1600

REAR SIDE POWER GAIN

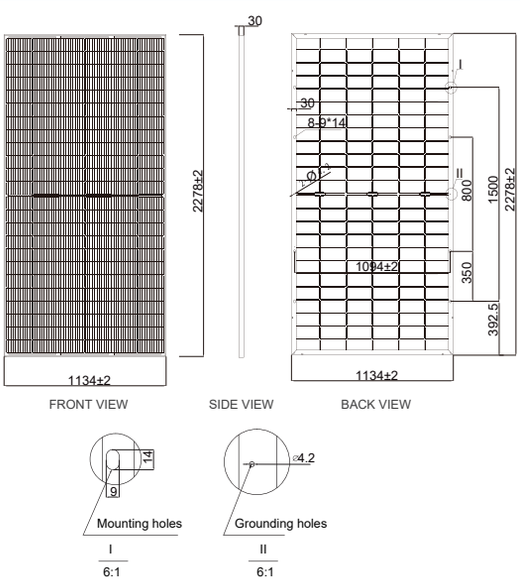
(535W Front Power Referenced)

Rear Side Power Gain	5%	10%	15%	20%	25%
Peak Power (Pmax)	562	589	615	642	670
Short Circuit Current (I_{sc})	14.99	16.48	17.97	19.54	28.53
Open Circuit Voltage (V_{oc})	50	50	50	50	50
Maximum Power Current (I_{mp})	13.4	14.08	14.72	15.36	16
Maximum Power Voltage (V_{mp})	41.9	41.9	41.9	41.9	41.9

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (I_{sc})	0.050%/°C
Temp. Coeff. of (V_{oc})	-0.270%/°C
Temp. Coeff. of (P_{max})	-0.350%/°C

PHYSICAL CHARACTERISTICS

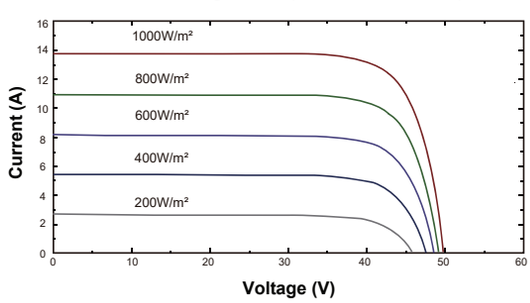


PACKING CONFIGURATION

Container	40' GP
Pieces per Pallet	31
Pieces Per Container	620
Pallet Per Container	20

ELECTRICAL CHARACTERISTICS

Current - Voltage Curve (CWT540-144PMB10)



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

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