

PERC MONOCRYSTALLINE • 144PM10

Half Cut

BLACK

WHITE



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

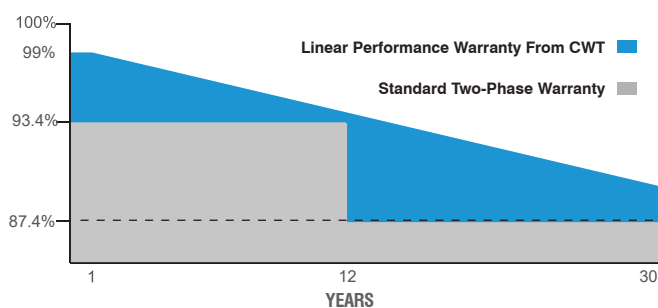
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5W Positive Power Tolerance



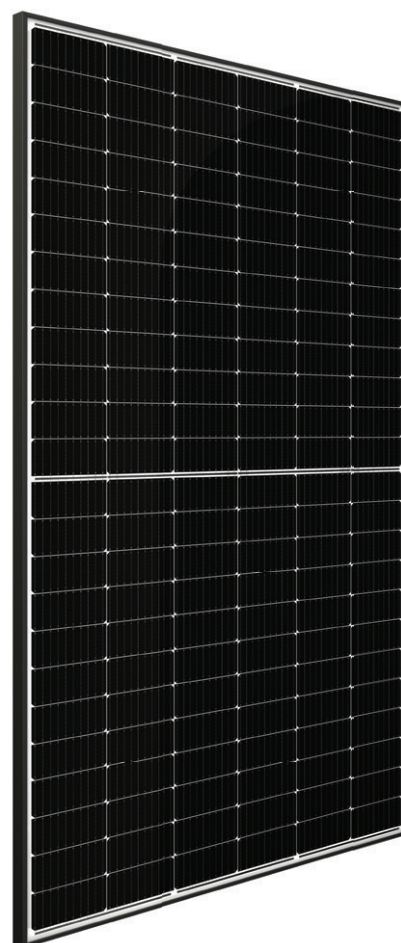
Easy Installation



30 Years Performance Warranty



12 Years Product Warranty



CWT550-144PM10 550 Wp

CWT545-144PM10 545 Wp

CWT540-144PM10 540 Wp

CWT535-144PM10 535 Wp

CWT530-144PM10 530 Wp

30
YEARS
PERFORMANCE
WARRANTY



SOMPO



IEC 61215, IEC 61730-1, IEC 61730-2
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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ELECTRICAL CHARACTERISTICS

| Model Type | CWT530 144PM10 | CWT535 144PM10 | CWT540 144PM10 | CWT545 144PM10 | CWT550 144PM10 |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Peak Power (P _{max}) | 530 Wp | 535 Wp | 540 Wp | 545 Wp | 550 Wp |
| Module Efficiency | 20.50 | 20.70 | 20.89 | 21.09 | 21.28 |
| 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 | | | | |
| Fire Safety Class | Class II | | | | |
| Maximum Series Fuse Rating | 25A | | | | |

MECHANICAL SPECIFICATIONS

| | |
|-------------------------------|--------------|
| Cell Dimensions(mm) | 182x91 |
| 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) | 300-1200 |

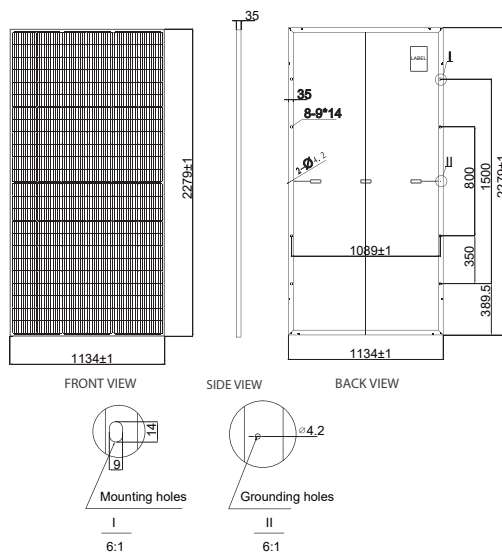
TEMPERATURE CHARACTERISTICS

| | |
|-------------------------------------|------------|
| Temp. Coeff. of (I _{sc}) | 0.050%/°C |
| Temp. Coeff. of (V _{oc}) | -0.270%/°C |
| Temp. Coeff. of (P _{max}) | -0.350%/°C |

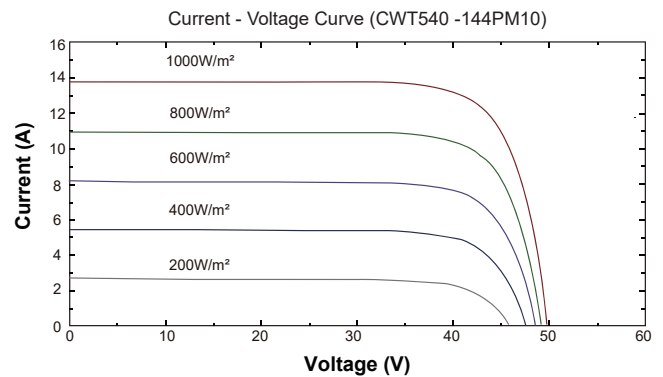
PACKING CONFIGURATION

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

PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS



* 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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