CW Enerji®

30 - YEAR - PERFORMANCE WARRANTY

CWT SOLAR PANEL

TOPCON MONOCRYSTALLINE
132TN12R

- CWT655-132TN12R 655 Wp
- CWT650-132TN12R 650 Wp
- CWT645-132TN12R 645 Wp
- CWT640-132TN12R 640 Wp
- CWT635-132TN12R 635 Wp
- CWT630-132TN12R 630 Wp
- CWT625-132TN12R 625 Wp
- CWT620-132TN12R 620 Wp



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

0~+5W Positive Power Tolerance

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

Easy Installation

SOMPO ISO PV CYCLE CE

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

TOPCON MONOCRYSTALLINE 132TN12R

Half Cut

ELECTRICAL CHARACTERISTICS

Model Type	CWT620 132TN12R	CWT625 132TN12R	CWT630 132TN12R	CWT635 132TN12R	CWT640 132TN12R	CWT645 132TN12R	CWT650 132TN12R	CWT655 132TN12R
Peak Power (Pmax)	620	625	630	635	640	645	650	655
Module Effciency	22.93	23.12	23.30	23.49	23.67	23.86	24.04	24.23
Maximum Power Voltage (Vmp)	41.02	41.22	41.42	41.62	41.82	42.02	42.22	42.42
Maximum Power Current (Imp)	15.12	15.17	15.22	15.26	15.31	15.35	15.40	15.45
Open Circuit Voltage (Voc)	48.99	49.19	49.39	49.59	49.79	49.99	50.19	50.39
Short Circuit Current (Isc)	16.02	16.08	16.14	16.20	16.26	16.32	16.38	16.44
Power Tolerance	0~+5W							
Maximum System Voltage	1500V DC							
Operating Temperature	-40 ~ +85°C							
Protection Class	Class II							
Maximum Series Fuse Rating	30A							

TEMPERATURE CHARACTERISTICS

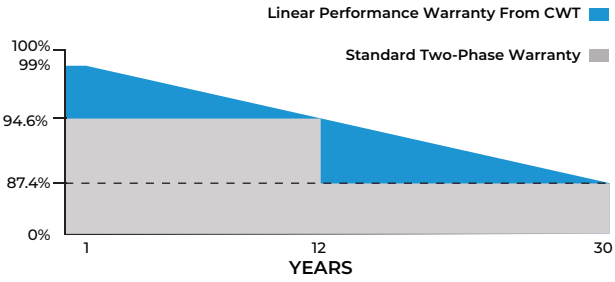
Temp. Coeff. of (Isc)	0.041%/°C
Temp. Coeff. of (Voc)	-0.250%/°C
Temp. Coeff. of (Pmax)	-0.290%/°C

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	182.3x105 / 7.17x4.14
Cells per Module(pcs)	132 (6x22)
Weight(kg)	29/ 63.93
Panel Dimensions(mm)	2382x1134x35 / 93.77x44.65x1.37
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	300-1600 / 11.81-63.00

PACKING CONFIGURATION

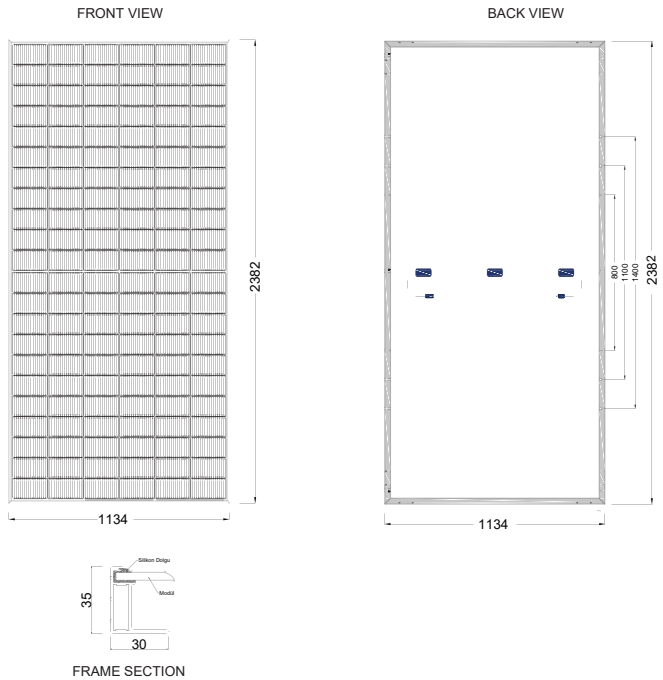
Container	40'HC
Pieces per Pallet	31
Pieces Per Container	620
Pallet Per Container	20



30 Years Performance Warranty

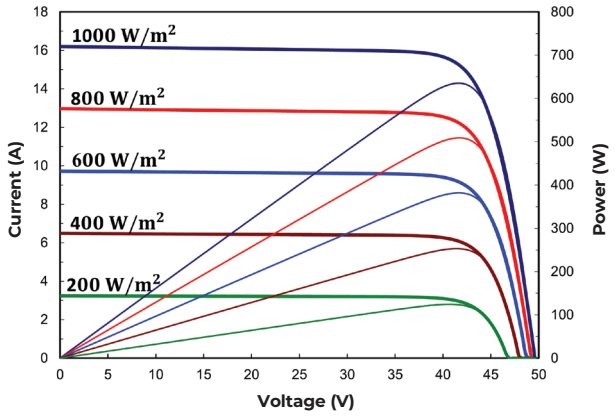
12 Years Product Warranty

PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS

Current - Voltage & Power - Voltage Curve (CWT635 - 132TN12R)



* 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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