

PERC MONOCRYSTALLINE • 120PM12

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

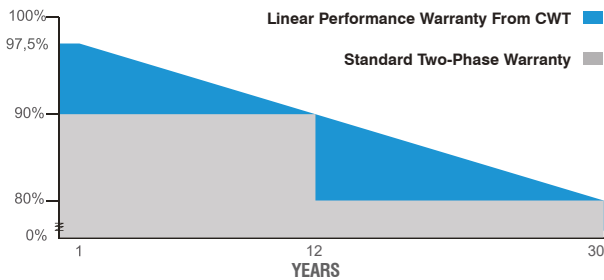
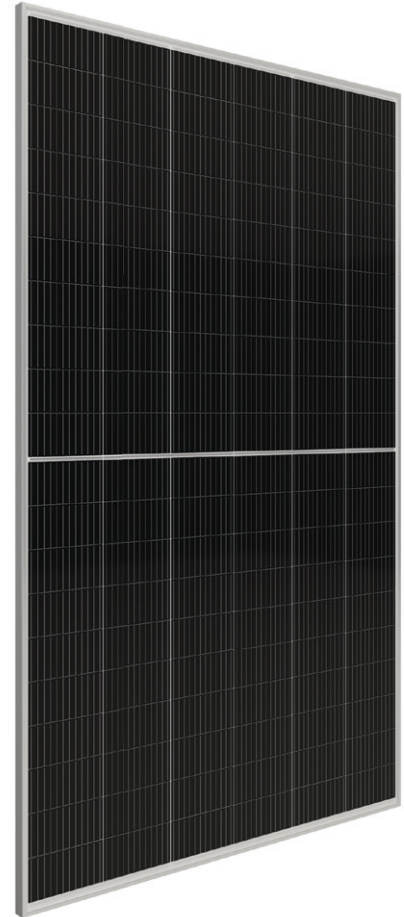
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5Wp Positive Power Tolerance



Easy Installation



✓ 30 Years Performance Warranty ✓ 12 Years Product Warranty

CWT610-120PM12 610 Wp

CWT605-120PM12 605 Wp

CWT600-120PM12 600 Wp

CWT595-120PM12 595 Wp

CWT590-120PM12 590 Wp



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

ELECTRICAL CHARACTERISTICS

Model Type	CWT590 120PM12	CWT595 120PM12	CWT600 120PM12	CWT605 120PM12	CWT610 120PM12
Peak Power (Pmax)	590 Wp	595 Wp	600 Wp	605 Wp	610 Wp
Module Efficiency	20.85	21.02	21.20	21.38	21.55
Maximum Power Voltage (Vmp)	34.01	34.02	34.03	34.5	34.7
Maximum Power Current (Imp)	17.30	17.40	17.50	17.54	17.58
Open Circuit Voltage (Voc)	41.1	41.03	41.05	41.7	41.9
Short Circuit Current (Isc)	18.33	18.43	18.53	18.58	18.62
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC				
Operating Temperature	-40 ~ +85°C				
Fire Safety Class	C				
Maximum Series Fuse Rating	30A				

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	210x105
Cells per Module(pcs)	120 (6x20)
Weight(kg)	31.0
Panel Dimensions(mm)	2172x1303x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	350-1600

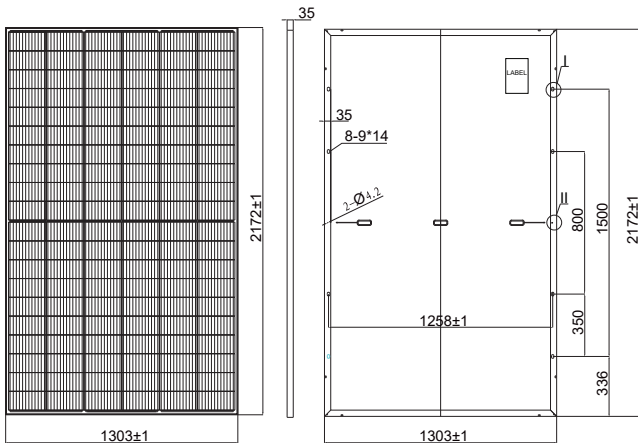
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc	0.040%/°C
Temp. Coeff. of Voc	-0.260%/°C
Temp. Coeff. of Pmax	-0.340%/°C

PACKING CONFIGURATION

Container	40' GP
Pieces per Pallet	31
Pieces Per Container	527
Pallet Per Container	17

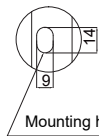
PHYSICAL CHARACTERISTICS



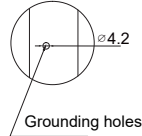
FRONT VIEW

SIDE VIEW

BACK VIEW

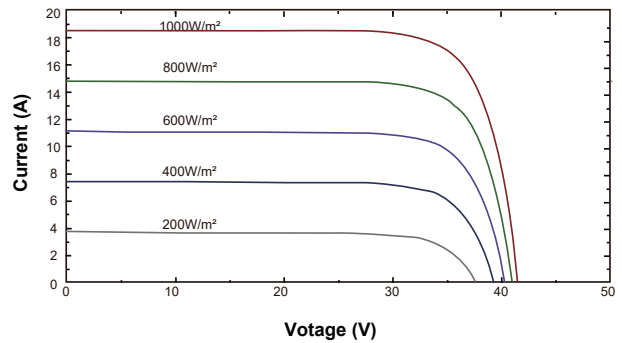


I
6:1



II
6:1

Current-Voltage Curve (CWT600-120PM12)



*Note: The specifications are obtained under the standard test conditions: 1000W/m² solar irradiance, 1.5 Air Mass and cell temperature of 25°C. The NOCT is obtained under the Test Conditions 800W/m² solar radiation, ambient temperature 20°C, wind speed 1m/s. 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. CW Enerji Mühendislik Ticaret ve Sanayi A.Ş. reserves the right to change these terms and conditions at any time without prior notice.