

PERC MONOCRYSTALLINE • 120TPM12-F

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

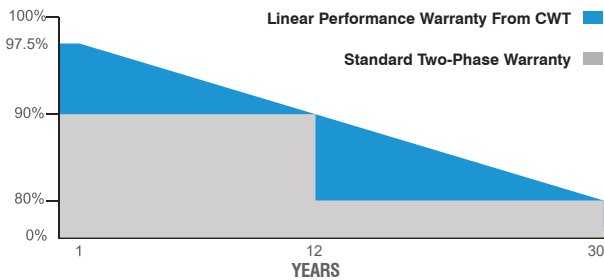
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5Wp Positive Power Tolerance



Easy Installation



✓ 30 Years Performance Warranty ✓ 12 Years Product Warranty

CWT405-120TPM12-F 405 Wp
 CWT400-120TPM12-F 400 Wp
 CWT395-120TPM12-F 395 Wp
 CWT390-120TPM12-F 390 Wp
 CWT385-120TPM12-F 385 Wp



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

ELECTRICAL CHARACTERISTICS

Model Type	CWT385 120TPM12-F	CWT390 120TPM12-F	CWT395 120TPM12-F	CWT400 120TPM12-F	CWT405 120TPM12-F
Peak Power (Pmax)	385 Wp	390 Wp	395 Wp	400 Wp	405 Wp
Module Efficiency	20.00	20.30	20.50	20.80	21.10
Maximum Power Voltage (Vmp)	33.60	33.80	34.00	34.20	34.40
Maximum Power Current (Imp)	11.47	11.54	11.62	11.70	11.77
Open Circuit Voltage (Voc)	40.60	40.80	41.00	41.20	41.40
Short Circuit Current (Isc)	12.08	12.14	12.21	12.28	12.34
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC				
Operating Temperature	-40 ~ +85°C				
Fire Safety Class	C				
Maximum Series Fuse Rating	25A				

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	210x70
Cells per Module(pcs)	120 (24x5)
Weight(kg)	21.0
Panel Dimensions(mm)	1754x1096x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	350-1600

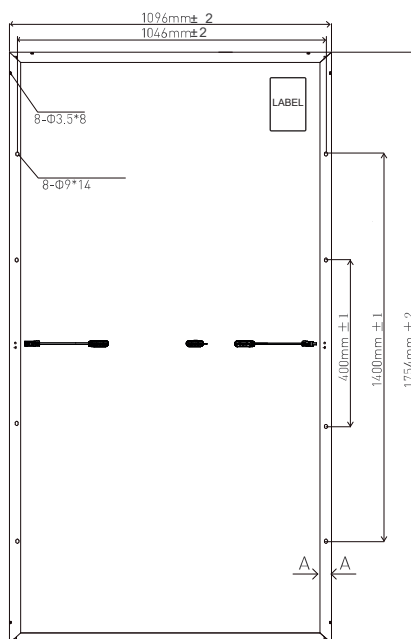
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.040%/°C
Temp. Coeff. of (Voc)	-0.250%/°C
Temp. Coeff. of (Pmax)	-0.340%/°C

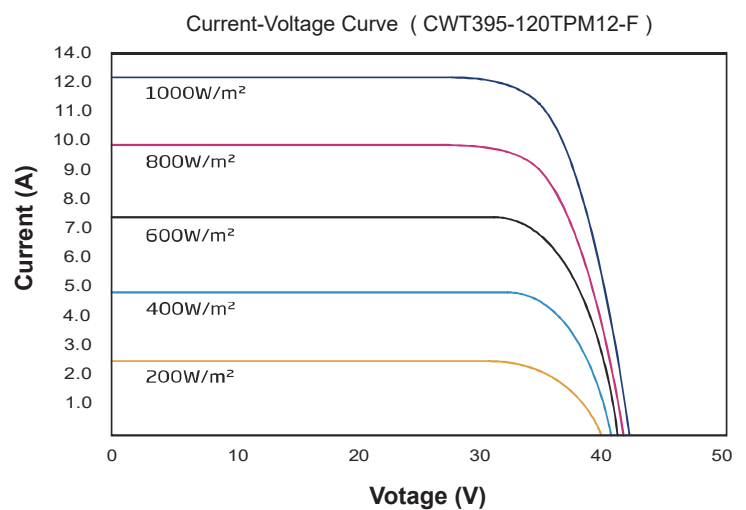
PACKING CONFIGURATION

Container	40' GP
Pieces per Pallet	31
Pieces Per Container	806
Pallet Per Container	26

PHYSICAL CHARACTERISTICS



ELECTRICAL CHARACTERISTICS



*Note: 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 values will be subject to the contracts. These parameters are for reference only not a part of the contracts. The specifications are subject to change without prior notice.