

PERC MONOCRYSTALLINE 144PM

- ◆ TT455-144PM 455 Wp ◆ TT440-144PM 440 Wp
- ◆ TT450-144PM 450 Wp ◆ TT435-144PM 435 Wp
- ◆ TT445-144PM 445 Wp



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

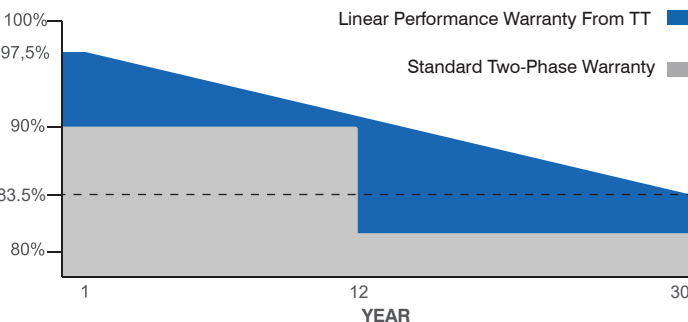
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5W Positive Power Tolerance



Easy Installation



- ✔ 30 Year Performance Warranty
- ✔ 12 Year Material and Workmanship Warranty

Half-Cut



IEC 61215, IEC 61730-1, IEC 61730-2
 IEC 62804 PID (POTENTIAL INDUCED DEGRADATION)
 IEC 61701 TSALT MIST CORROSION
 IEC 62716 AMMONIA CORROSION
 ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

Model Type	TT435 144PM	TT440 144PM	TT445 144PM	TT450 144PM	TT455 144PM
Peak Power (Pmax)	435 Wp	440 Wp	445 Wp	450 Wp	455 Wp
Module Efficiency	19,69	19,92	20,14	20,37	20,60
Maximum Power Voltage (Vmp)	40,80	41,00	41,20	41,40	41,60
Maximum Power Current (Imp)	10,66	10,73	10,80	10,87	10,94
Open Circuit Voltage (Voc)	49,20	49,40	49,70	50,00	50,30
Short Circuit Current (Isc)	11,14	11,21	11,29	11,36	11,43
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC				
Operating Temperature	-40 ~ +85°C				
Fire Safety Class	C				
Maximum Series Fuse Rating	20A				

MECHANICAL SPECIFICATIONS

Cell Dimensions(mm)	166 x 83
Cells per Module(pcs)	144 (6X24)
Weight(kg)	24,5
Panel Dimensions(mm)	2108x1048x35
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP68
Junction Box Cable Length(mm)	300

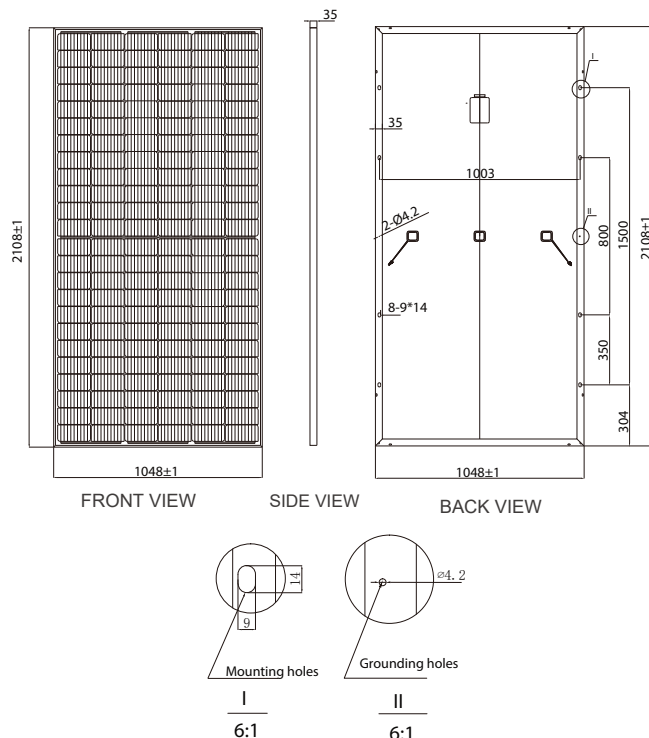
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc	0.05%/°C
Temp. Coeff. of Voc	-0.29%/°C
Temp. Coeff. of Pmax	-0.36%/°C

PACKING CONFIGURATION

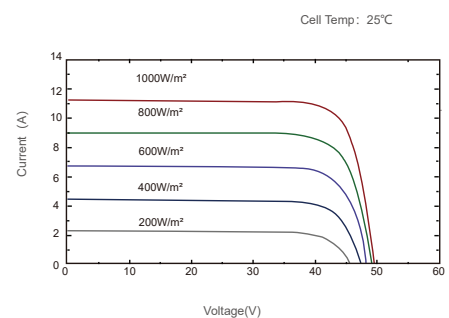
Container	40' GP
Pieces per Pallet	30
Pieces per Container	660
Pallet Per Container	22

PHYSICAL CHARACTERISTICS

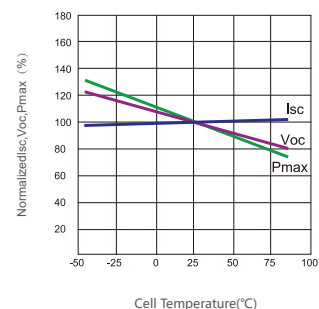


ELECTRICAL CHARACTERISTICS

I-V Curves at CWT440-144PM at different Irradiances



Power voltage current curve at different temperature



*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 6%. 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 specifications are subject to change without prior notice.