

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



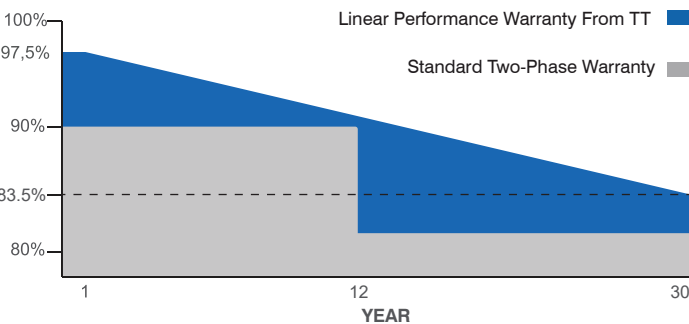
0~+5W Positive Power Tolerance



Easy Installation



9BB



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

Half-Cut



IEC 61215, IEC 61730-1, IEC 61730-2
IEC 62804 PID (POTANSİYEL KAYNAKLI BOZULMA / POTENTIAL INDUCED DEGRADATION)
IEC 61701 TUZ KOROZYON / SALT MIST CORROSION
IEC 62716 AMONYAK KOROZYON / AMMONIA CORROSION
ISO 9001:2015, ISO 14001:2015, OHSAS 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	20,00	20,20	20,40	20,70	20,90
Maximum Power Voltage (Vmp)	40,80	41,00	41,20	41,40	41,60
Maximum Power Current (Imp)	10,67	10,74	10,81	10,87	10,94
Open Circuit Voltage (Voc)	48,60	48,80	49,00	49,20	49,40
Short Circuit Current (Isc)	11,40	11,47	11,54	11,61	11,67
Power Tolerance	0~+5W				
Maximum System Voltage	1000V DC / 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 (6X12)
Weight(kg)	24,5
Panel Dimensions(mm)	2095x1039x40
Max. Wind/Snow Load(Pa)	2400/5400
Junction Box	IP67 / IP68
Junction Box Cable Length(mm)	350-1200

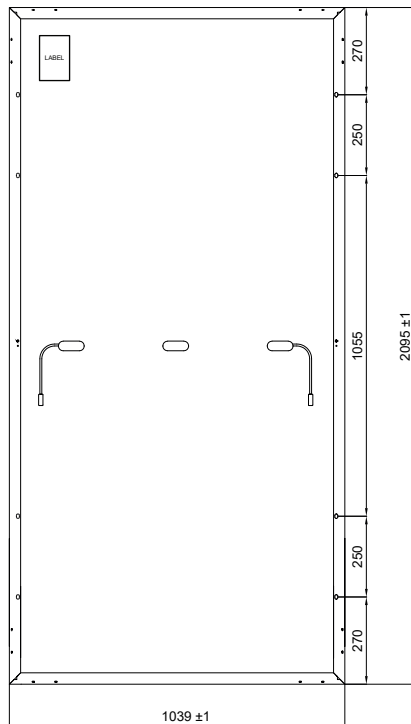
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc	0.050%/°C
Temp. Coeff. of Voc	-0.304%/°C
Temp. Coeff. of Pmax	-0.36%/°C

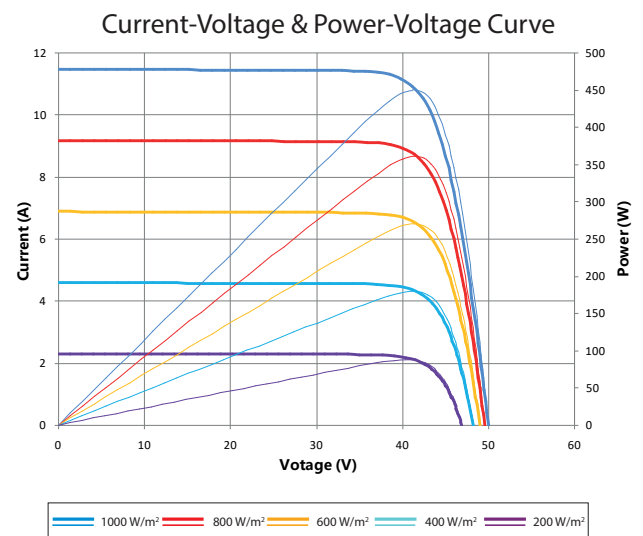
PACKING CONFIGURATION

Container	20' GP	40' GP
Pieces per Pallet	31	31
Pieces per Container	270	594
Pallet Per Container	8	19

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. 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.