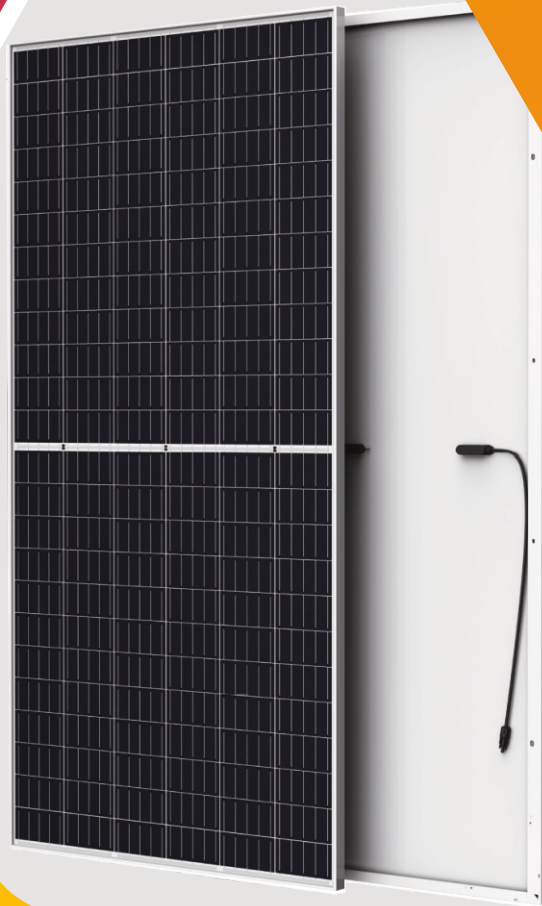




NPV144-405M

- HALF-CELL PERC MONO MODULE
- Positive power tolerance of 0~+3%
- ISO9001:2015
- IEC61215/IEC61730



Mono Crystalline Half 144 Cells 390-410 watt



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency

Higher module conversion efficiency (up to 20.38%) benefit from half cell structure (low resistance characteristic).



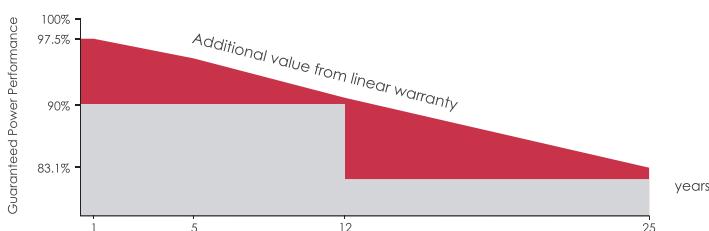
PID RESISTANT:

Excellent Anti-PID performance guarantee limited power degradation for mass production.

► Superior Warranty

NanoPV SOLAR PERFORMANCE WARRANTY

- linear performance warranty
- Standard performance warranty



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)



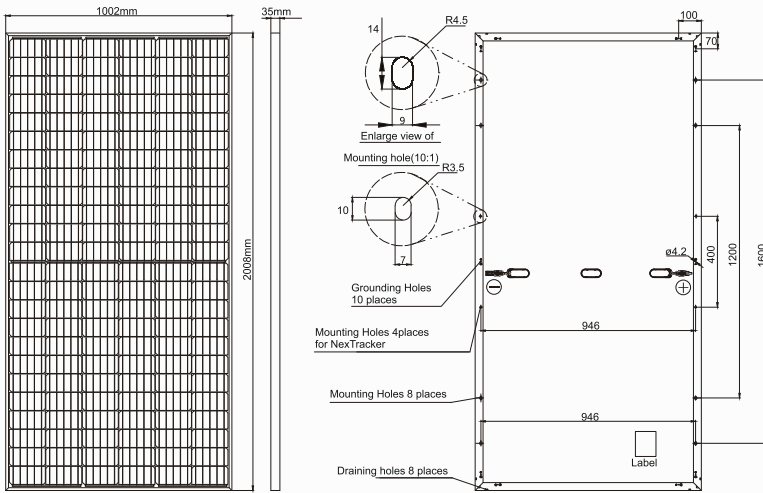
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV Rheinland.

► Comprehensive Certificates

- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupation Health and Safety Management System

► DIMENSIONS OF PV MODULE(mm)



► MECHANICAL DIAGRAMS

Cell Type	Mono PERC 158.75x79.37mm
No. of Cells	144(6x24)
Dimensions	2008x1002x35mm
Weight	22.5kg
Front Glass	3.2mm Anti-Reflection coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68 rated
Output Cables	TUV 1x4.0mm ² , Length 300+/400- (mm) length can be customized

► Electrical Characteristics

Module Type	NPV144-390M		NPV144-395M		NPV144-400M		NPV144-405M		NPV144-410M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	294Wp	395Wp	298Wp	400Wp	302Wp	405Wp	306Wp	410Wp	310Wp
Maximum Power Voltage (Vmp)	40.81V	38.81V	41.08V	38.98V	41.33V	39.23V	41.6V	39.4V	41.88V	38.78V
Maximum Power Current (Imp)	9.56A	7.61A	9.62A	7.67A	9.68A	7.74A	9.74A	7.81A	9.79A	8.00A
Open-circuit Voltage (Voc)	49.01V	47.71V	49.29V	47.99V	49.58V	48.28V	49.86V	48.86V	50.12V	48.62V
Short-circuit Current (Isc)	10.21A	8.11A	10.27A	8.13A	10.33A	8.23A	10.39A	8.29A	10.45A	8.35A
Module Efficiency STC(%)	19.38%		19.63%		19.88%		20.13%		20.38%	

► Temperature Ratings

NMOT (Nominal Module Operating Temperature)	45°C(±2°C)
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.048%/°C

► Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1000/1500VDC (IEC)
Max Series Fuse Rating	20A

► Warranty

12 Years Product Workmanship Warranty
25 Years Power Warranty

► Packaging Configuration

Modules per pallet	30pcs
Modules per 40HQ container	660pcs

► I-V-Curve

