



Poly Crystalline 144 Half Cells 335-355 watt

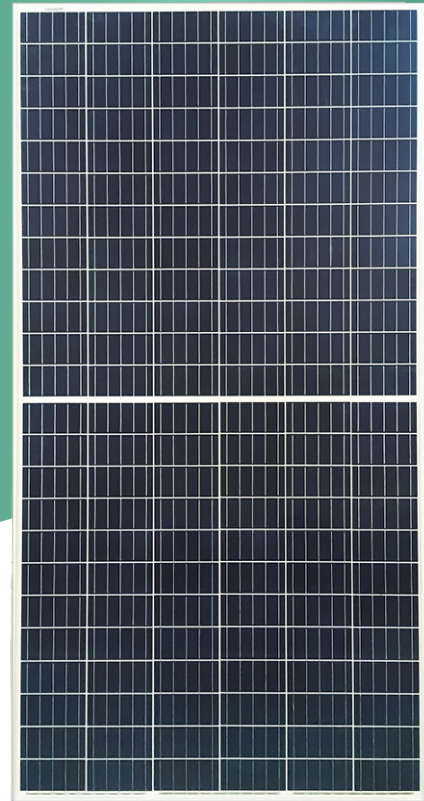
HALF CELL PERC POLY MODULE

Positive power tolerance of 0~+3%

POLY PERC 144 Half Cell

ISO9001:2015, ISO14001:2015,

IEC61215/IEC61730



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 17.70%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



PID Resistance

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



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).

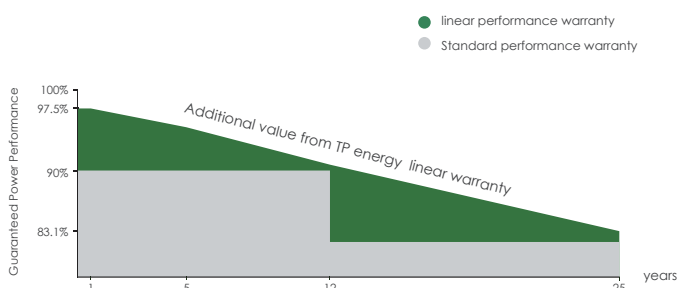


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV Rheinland.

► Superior Warranty

TP ENERGY SOLAR PERFORMANCE WARRANTY

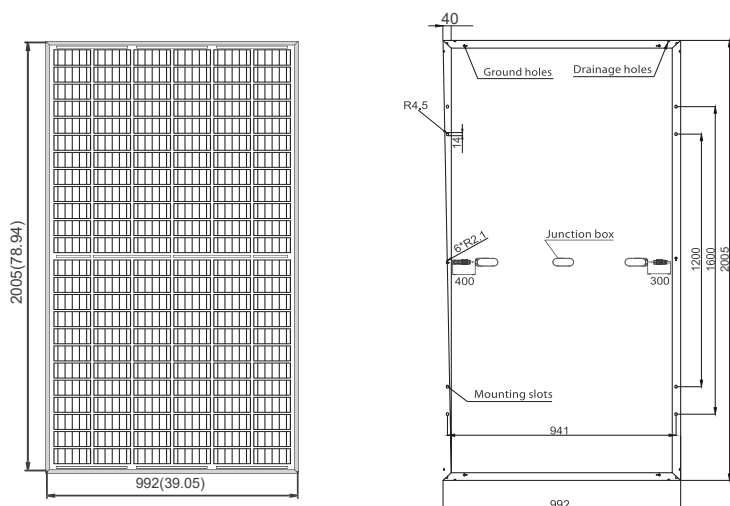


► Comprehensive Certificates

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



► DIMENSIONS OF PV MODULE(mm)



► MECHANICAL DIAGRAMS

Cell Type	POLY PERC 157x78.5 mm
No.of cells	6x12x2
Dimensions	2008x1002x35mm
Weight	22kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
J-Box	≥IP67 Rated
Output Cables	TUV 1x4.0mm, ² Length 300+ /400-(mm) length can be customized

► Electrical Characteristics

Module Type	TP144-335P		TP144-340P		TP144-345P		TP144-350P		TP144-355P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	335Wp	252Wp	340Wp	357Wp	345Wp	260Wp	350Wp	264Wp	355Wp	268Wp
Maximum Power Voltage (Vmp)	38.3V	35.5V	38.5V	35.7V	38.7V	35.8V	38.9V	36.0V	39.1V	36.2V
Maximum Power Current (Imp)	8.75A	7.10A	8.84A	7.19A	8.92A	7.25A	9.00A	7.32A	9.09A	7.39A
Open-circuit Voltage (Voc)	46.2V	42.8V	46.3V	42.9V	46.5V	43.1V	46.7V	43.2V	46.8V	43.3V
Short-circuit Current (Isc)	9.52A	7.74A	9.58A	7.79A	9.64A	7.84A	9.72A	7.90A	9.78A	7.95A
Module Efficiency STC (%)	16.70%		16.90%		17.20%		17.40%		17.70%	

► Temperature Ratings

NMOT (Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	- 0.30%/°C
Temperature Coefficient of Voc	- 0.36%/°C
Temperature Coefficient of Isc	0.006%/°C

► Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1000/1500VDC (IEC)
Max Series Fuse Rating	25A

► Warranty

12 Years Product Workmanship Warranty
25 Years Power Warranty

► Packaging Configuration

Modules per pallet:	27pcs
Modules per 40HQ container	594pcs

► I-V-Curve

