



Mono Crystalline Half 120 Cells 360-380 watt

HALF CELL PERC MONO MODULE

Positive power tolerance of 0~+3%

ISO9001:2015

Certified factory

IEC61215/IEC61730



9 Busbar Solar Cell

9 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 20.90%) 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).

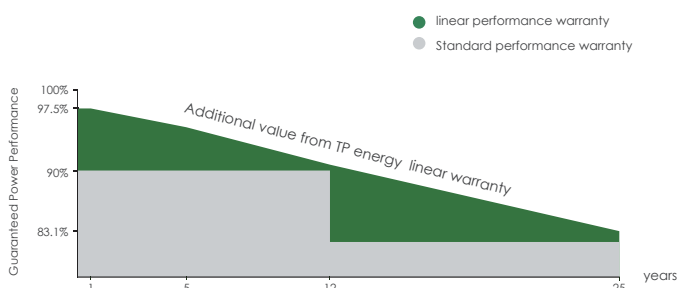


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV Rheinland.

► Superior Warranty

TP ENERGY SOLAR PERFORMANCE WARRANTY

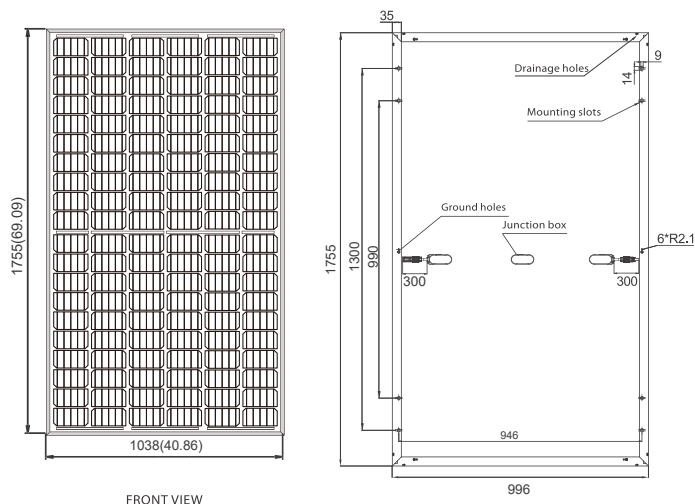


► Comprehensive Certificates

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



► DIMENSIONS OF PV MODULE(mm)



► MECHANICAL DIAGRAMS

Cell Type	Mono PERC 166x83mm
No. of cells	6x10x2
Dimensions	1755x1038x35mm
Weight	19.5kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
J-Box	IP68 Rated
Output Cables	TÜV 1x4.0mm ² Length 300+/400-(mm) length can be customized

► Electrical Characteristics

Module Type	TP120-360M/MB-7		TP120-365M/MB-7		TP120-370M/MB-7		TP120-375M/MB-7		TP120-380M/MB-7	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	360Wp	266.7Wp	365Wp	270.4Wp	370Wp	274.1Wp	375Wp	277.8Wp	380Wp	281.5Wp
Maximum Power Voltage (Vmp)	34.0V	31.4V	34.2V	31.6V	34.4V	31.8V	34.6V	32.0V	34.8V	31.2V
Maximum Power Current (Imp)	10.59A	8.49A	10.68A	8.56A	10.76A	8.63A	10.84A	8.69A	10.92A	8.76A
Open-circuit Voltage (Voc)	40.1V	37.40V	40.3V	37.6V	40.5V	37.8V	40.7V	38.0V	40.9V	38.2V
Short-circuit Current (Isc)	11.35A	9.15A	11.44A	9.22A	11.52A	9.29A	11.60A	9.35A	11.69A	9.42A
Module Efficiency STC (%)	19.80%		20.00%		20.30%		20.60%		20.90%	

► Temperature Ratings

NMOT (Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	- 0.37%/°C
Temperature Coefficient of Voc	- 0.286%/°C
Temperature Coefficient of Isc	0.057%/°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	720pcs

► I-V-Curve

