



Mono Crystalline Half 156Cells

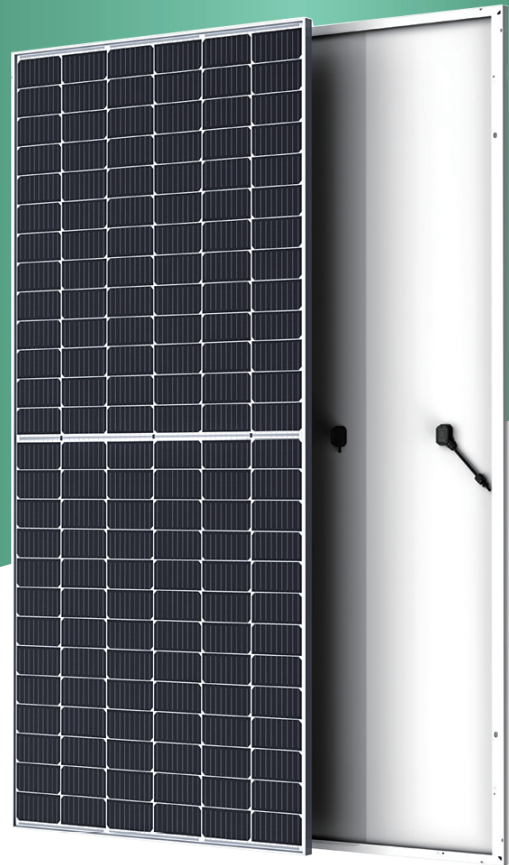
585-605 watt

HALF-CELL MONO MODULE

Positive power tolerance of 0~+5%

ISO9001:2015 ISO14001:2015

IEC61215/IEC61730



MBB half-cut cell technology

Multi 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 21.60%) benefit from half cell structure (low resistance characteristic).



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).

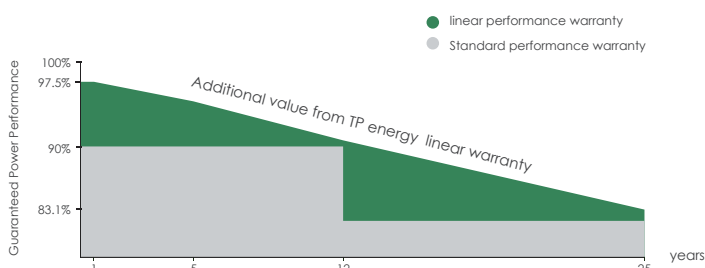


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.

► Superior Warranty

TP ENERGY SOLAR PERFORMANCE WARRANTY



► Comprehensive Certificates

IEC61215/IEC61730/IEC61701/IEC62716

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

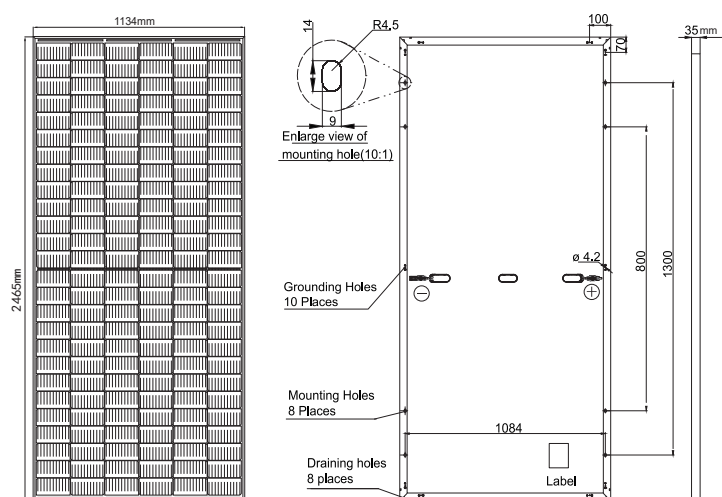
ISO14064: Greenhouse Gases Emissions Verification

OHSAS 18001: Occupation Health and Safety

Management System



DIMENSIONS OF PV MODULE(mm)



MECHANICAL DIAGRAMS

Cell Type	Mono PERC 182x182mm
No.of cells	6 x13 x2
Dimensions	2465(±2)×1134(±1)×35mm
Weight	30.0kg
Front Glass	3.2mmAnti-Reflection,Coating, High Transmission,Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
J-Box	IP 68rated
Output Cables	TÜV 1 x 4.0mm, ² Length 300+/400- (mm) length can be customized

Electrical Characteristics

Module Type	TP156-585M/MB-9		TP156-590M/MB-9		TP156-595M/MB-9		TP156-600M/MB-9		TP156-605M/MB-9	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	585Wp	442Wp	590Wp	446Wp	595Wp	450Wp	600Wp	454Wp	605Wp	458Wp
Maximum Power Voltage (Vmp)	44.56V	42.69V	44.80V	42.82V	45.05V	42.94V	45.30V	43.07V	45.53V	43.21V
Maximum Power Current (Imp)	13.13A	10.36A	13.17A	10.42A	13.21A	10.48A	13.25A	10.54A	13.29A	10.60A
Open-circuit Voltage (Voc)	53.20V	50.59V	53.30V	50.72V	53.40V	50.86V	53.50V	51.01V	53.61V	51.17V
Short-circuit Current (Isc)	13.88A	11.07A	13.93A	11.13A	13.98A	11.19A	14.03A	11.25A	14.08A	11.30A
Module Efficiency STC (%)	20.90%		21.10%		21.30%		21.50%		21.60%	

Temperature Ratings

STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G
Temperature Coefficient of P _{MAX}	- 0.350%/°C
Temperature Coefficient of Voc	- 0.275%/°C
Temperature Coefficient of Isc	0.045%/°C

Maximum Ratings

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

Warranty

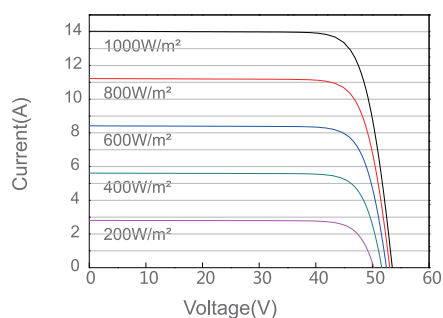
12 Years Product Workmanship Warranty
25 Years Power Warranty

Packaging Configuration

Modules per pallet:	31pcs
Modules per 40HQ container	558pcs

I-V-Curve

Current-Voltage Curve (TP156-600M/MB-9)



Power-Voltage Curve (TP156-600M/MB-9)

