



泰普能源科技
SHENZHEN TAIPO
ENERGY TECHNOLOGY CO.,LTD

TP-270~290M-60

6×10PCS 6" MONO SOLAR CELL

MONO CRYSTALLINE MODULE

Positive power tolerance of 0/+3%

TAIPO Solar

Key Features



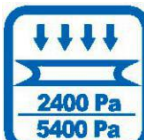
Long Warranty:
10 years for product
25 years for power output



High Efficiency:
High module conversion efficiency (up to 17.9%)
through innovative manufacturing technology.



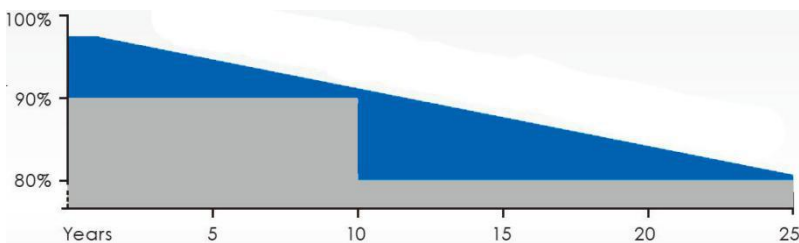
Low-light Performance:
Advanced glass and solar cell surface texturing allow
for excellent performance in low-light environments.



Severe Weather Resilience:
Wind load up to 3800Pa/ snow load up to 5400Pa



Durability against extreme environmental conditions:
High salt mist and ammonia corrosion resistance tests
passed



SPECIFICATIONS

Item No.	TP-270M-60	TP-275M-60	TP-280M-60	TP-285M-60	TP-290M-60
	STC				
Max Power(Pmax)	270W	275W	280W	285W	290W
Max Power Voltage(Vmp)	30.9V	31.2V	31.4V	31.7V	31.9V
Max Power Current(Imp)	8.73A	8.82A	8.91A	9A	9.08A
Open Circuit Voltage(Voc)	38.6V	38.9V	39.3V	39.6V	39.9V
Short Circuit Current (Isc)	9.31A	9.34A	9.38A	9.41A	9.45A
Module Efficient STC (%)	16.6%	16.9%	17.2%	17.6%	17.9%
Operating Temperature(°C)	-40°C ~+85°C				
Max system voltage	1000VDC (IEC)				
Max series fuse rating	15A				
Power tolerance	0~+3W				
Temperature coefficient of Pmax	-0.42%/°C				
Temperature coefficient of Voc	-0.32%/°C				
Temperature coefficient of Isc	0.05%/°C				
Nominal operating cell temperature(NOCT)	45 ± 2°C				
	STC: Irradiance 1000W/m ² ;		Cell Temperature: 25°C;		AM=1.5

Mechanical Characteristics

Cell Type	Mono-crystalline 156*156mm (6inch)	
Number of cells	60(6*10)pcs	
Dimension	1640*992*40mm/35mm	
Weight	18.5KG (40.7lbs)	
Front Glass	3.2mm,High Transmission,Low Iron,Tempered Glass	
Frame	Anodized Aluminum Alloy	
Junction Box	Waterproof IP67 Rated	
Output Cables	TUV 1*4.0mm ² , Length: 900mm	

Packing Configuration

Container	20' GP	40' HQ
Pieces per pallet	26	26
Pallets per container	12	28
Pieces per container	312	728

