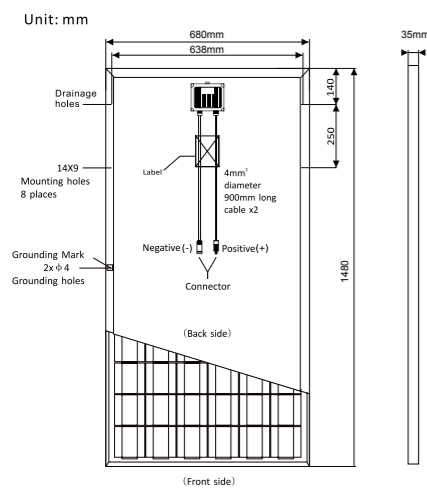


36x6"/140-170W

MONO CRYSTALLINE MODULE



Electrical Characteristics

Model	Pm(Wp)	Tolerance	Vm(V)	Im(A)	Voc(V)	Isc(A)	η
SYP140M	140W	+3%	18.1	7.72	22.1	8.32	> 15.46%
SYP150M	150W	+3%	18.3	8.20	22.3	8.81	> 15.99%
SYP160M	160W	+3%	18.6	8.60	22.5	8.88	> 16.49%
SYP170M	170W	+3%	18.8	9.04	22.8	9.25	> 16.98%

Valued at STC (AM 1.5, 1000W/m², 25 °C)

Temperature Coefficients

Temperature Coefficient of VOC(β)	-0.37%/°C
Temperature Coefficient of ISC(α)	+0.02%/°C
Temperature Coefficient of Pmax	-0.44%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Permissible Operating Conditions

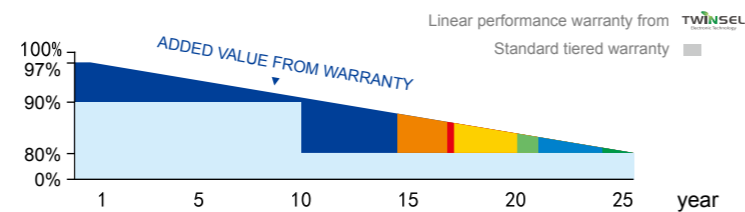
Maximum system voltage	1000VDC
Operating temperature	-40~+85°C
Snow load	Max 5400 Pa
Wind load	Max 120km/h

Mechanical Characteristics

Number of mono crystalline solar cell	36pcsx6"
Aluminum frame, dimension	1480x680x35mm
Weight	11kg
Junction box	IP65
Module	IP65
Tolerance of Rating	-3~+3%

Warranty

10 years with 100% product warranty
 12 years 90% rated power output
 25 years 82% rated power output



Excellent Quality

Automatic production and testing processes;
 More than 18 IEC tests program in State-Level PV Laboratory of Twinsel;
 Third party liability and quality insurance;
 ISO9001, ISO14001 and OHSAS18001 management system.

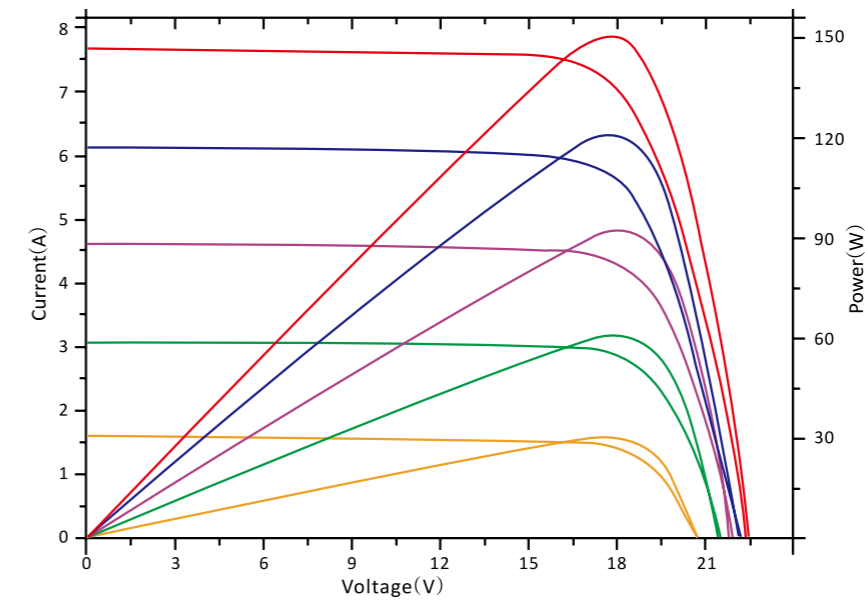
Easy for installation

Low weight, convenient format;
 Horizontal and Vertical installation applicable;
 Compatible with all standard rooftop and ground mounting systems.

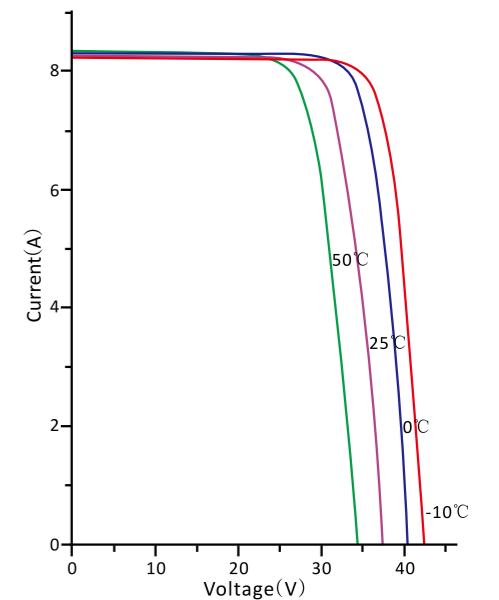
Maximum Yield

Photon test with TOP performance;
 Averagely, installed projects actual power yield is 5% higher than theoretical yield.

Current-Voltage & Power-Voltage Curve (150W)



I-V Curves of PV Module at Different Cell Temperatures (AM1.5, 1000W/m²)



Tempered Glass
 EVA (Ethylene Vinyl Acetate)
 Solar Cells
 EVA (Ethylene Vinyl Acetate)
 Backsheet