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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Ningbo Sun Earth East Solar Co., Ltd.**

**DXM5-72 180-200W**

**DXM5-72 200**

Also available on the web at  
[EnergyPal.com/ningbo-sun-earth-east-solar-co-ltd-solar-panels/dxm5-72-200](http://EnergyPal.com/ningbo-sun-earth-east-solar-co-ltd-solar-panels/dxm5-72-200)

## Mono-Crystalline



Superior products durability and reliability:  
To avoid micro cracks, snail trails and corrosion caused by moisture, dust, salt mist and acid-base.



Low maintenance requirements and superior fire-protection rating.



Sun Earth East solar modules are guaranteed to work for more than 25 years so as to guarantee investor's profit. The modules are proved that the power depreciation is less than 20% after 25 years working.



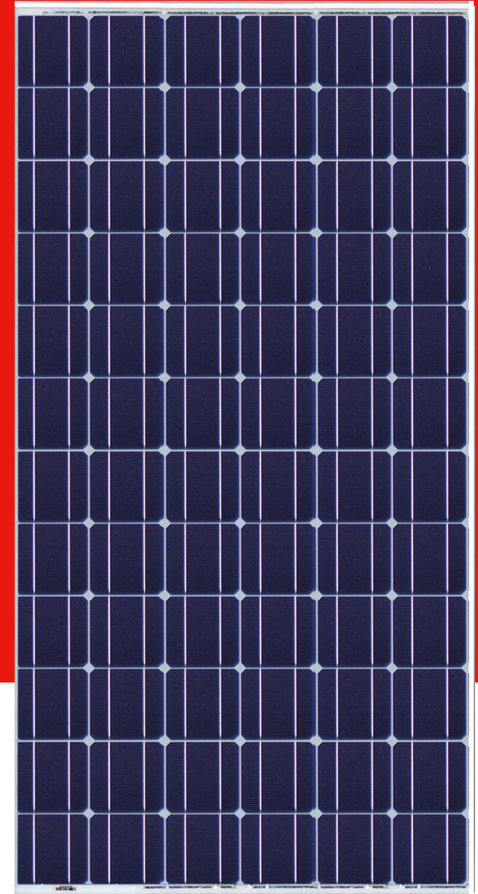
Superior loading capacity: snow pressure of 5400PA and wind pressure of 2400PA.



PID FREE.



Superior design: module efficiency is up to 15.67% with white EVA ( the maximum output power of 72pcs series is up to 200W ), particularly suitable for light demand projects.



## M5 Hi-Eff Mono



## DXM5-72P 180W~200W



DXM5-72P 180W~200W

SPECIFICATIONS

	STC			NOCT		
	180W	190W	200W	180W	190W	200W
Rated Power (Pmax):	180W	190W	200W	180W	190W	200W
Maximum Power (Pmax):	180W	190W	200W	132.93W	140.32W	147.70W
Rated Voltage at Pmax (Vmp):	36.2V	36.6V	37.0V	33.66V	34.03V	34.40V
Rated Current at Pmax (Imp):	4.97A	5.19A	5.41A	4.00A	4.17A	4.35A
Open-circuit Voltage (Voc):	44.6V	45.0V	45.4V	41.52V	41.90V	42.27V
Short-circuit Current (Isc):	5.47A	5.61A	5.75A	4.43A	4.54A	4.66A
Module Efficiency ( $\eta_m$ ):	14.1%	14.9%	15.7%			
Maximum System Voltage:				1000VDC		
Application Class:				Class A		
Fire Resistance Class:				Class C		
Maximum Over-Current Rating:				10A		
Operating Temperature:				85% Rh, -40°C ~ +85°C		
Maximum Snow Loads (front):				5400Pa		
Maximum Wind Loads (front & back):				2400Pa		
Maximum Hailstone Impact (diameter @ 23m/s):				25mm		

- STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Air mass AM1.5 according to EN60904-3.
- NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C/s, wind Speed 1m/s.
- Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN60904-1.

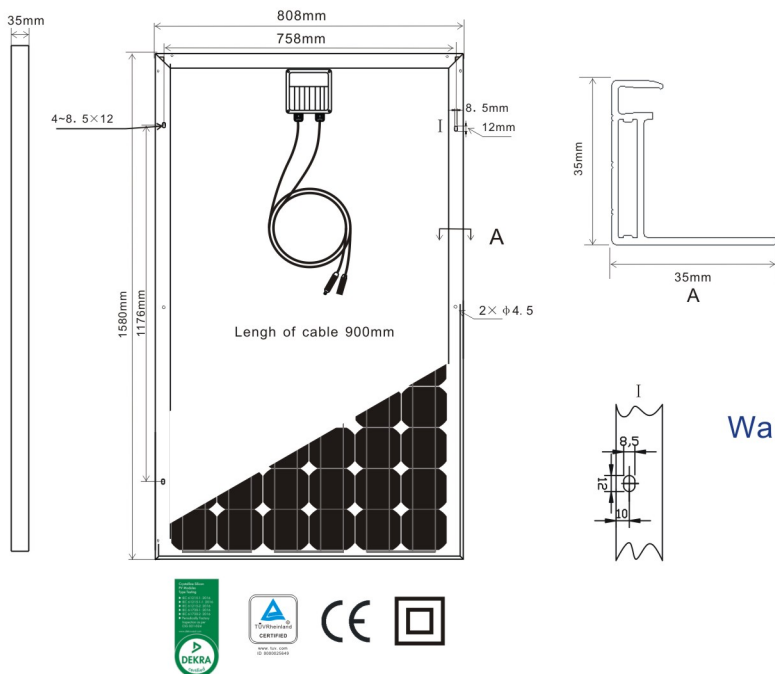
Thermal Characteristics:

Nominal Operating Cell Temperature (NOCT):	45±2°C
Temperature Coefficient of Pmax ( $\gamma_{Pmp}$ ):	-0.4%/°C
Temperature Coefficient of Voc ( $\beta_{Voc}$ ):	-0.3%/°C
Temperature Coefficient of Isc ( $\alpha_{Isc}$ ):	+0.05%/°C

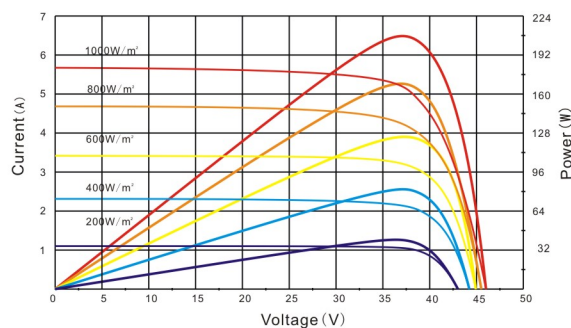
Construction Characteristics:

Front Cover:	low-iron tempered glass/3.2mm
Cell:	72 pcs mono-crystalline 125×125mm
Anodized aluminum alloy Frame:	■ silver □ black
Junction Box (protection degree):	IP67
Cable (length/cross-sectional area):	900mm/4mm <sup>2</sup>
Connector (protection degree):	IP67
Module Dimension (L×W×H):	1580×808×35mm
Weight:	14.3±3% kg

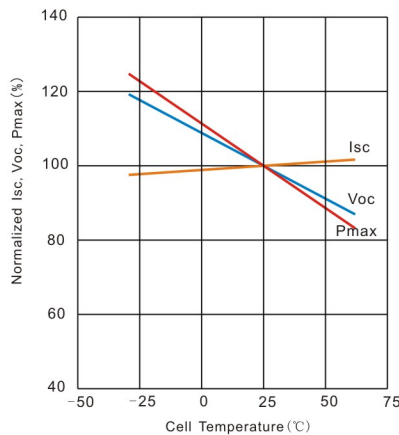
Dimensions (tolerance ±2mm)



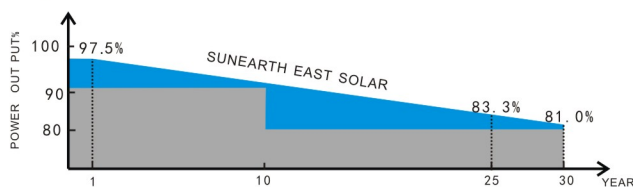
I-V (200W)



Temperature Dependence of Isc, Voc, Pmax



Warranty:



Please refer to Sun Earth East Solar Product Warranty for details.