

VDS-P72

**350-330W**

POLYCRYSTALLINE SOLAR MODULE 72cells

### Product Advantages



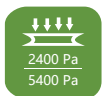
**High conversion efficiency**  
High module efficiency to guarantee power output.



**Easy Installation and Handling**  
For various applications



**Outstanding low irradiation performance**  
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



**Excellent loading capability**  
2400Pa wind loads, 5400Pa snow loads.

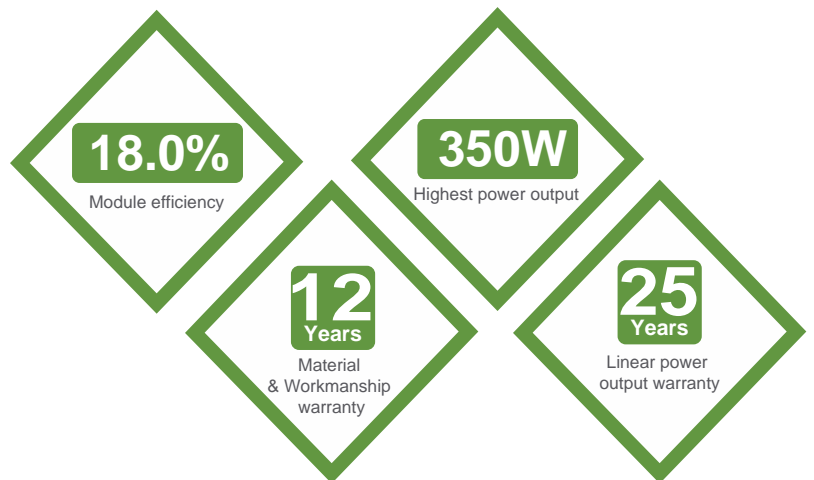


**0 ~ +5W positive tolerance**  
Detailed information in Electrical Specifications

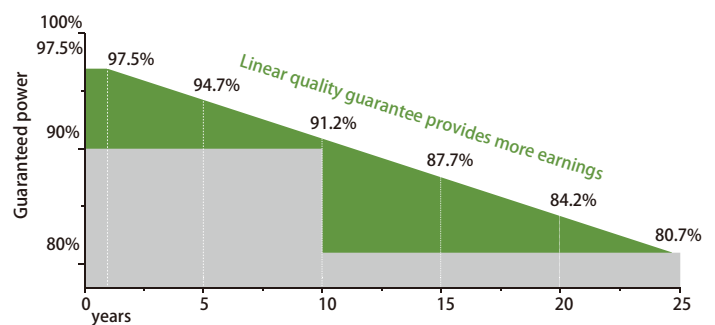


**Durability against extreme environmental**  
High salt mist and ammonia resistance certified by TUV NORD

### Product Certification



### Product Guarantee



# VDS-P72

## Electrical Characteristics

STC	P72-350	P72-345	P72-340	P72-335	P72-330
Maximum Power at STC (Pmax)	350 W	345 W	340 W	335 W	330 W
Optimum Operating Voltage (Vmp)	38.4 V	38.2 V	38.1 V	38.0 V	37.7 V
Optimum Operating Current (Imp)	9.12 A	9.04 A	8.93 A	8.82 A	8.76 A
Open Circuit Voltage (Voc)	46.9 V	46.7 V	46.5 V	46.1 V	45.8 V
Short Circuit Current (Isc)	9.59 A	9.50 A	9.40 A	9.30 A	9.22 A
Module Efficiency	18.0%	17.7%	17.5%	17.2%	17.0%
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1000/1500 V DC (IEC)				
Maximum Series Fuse Rating	20 A				
Power Tolerance	0/+5W				

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	P72-350	P72-345	P72-340	P72-335	P72-330
Maximum Power at NMOT (Pmax)	259.7 W	256.1 W	252.3 W	251.6 W	247.8 W
Optimum Operating Voltage (Vmp)	35.4 V	35.2 V	35.1 V	35.3 V	35.1 V
Optimum Operating Current (Imp)	7.34 A	7.27 A	7.19 A	7.12 A	7.06 A
Open Circuit Voltage (Voc)	43.4 V	43.2 V	43.0 V	43.1 V	42.8 V
Short Circuit Current (Isc)	7.78 A	7.70 A	7.62 A	7.53 A	7.46 A

NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.38%/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.067%/°C

## Mechanical Characteristics

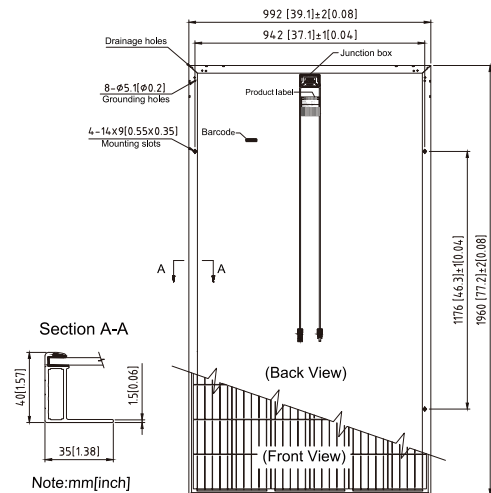
Solar Cell	Polycrystalline silicon
No. of Cells	72 (6 × 12)
Dimensions	1960 × 992 × 40mm
Weight	22.1 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm <sup>2</sup> , symmetrical lengths (-) 1100mm and (+) 1100 mm
Connectors	MC4 compatible

## Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	26	28
Pallets per container	10	22
Pieces per container	260	616

## Company Profile

The management of Vendato Solar has been active in the solar market in Europe for more than 10 years. We developed solar projects across Europe. Our references are in Germany, Spain, Italy, Bulgaria and other European countries. For the implementation of our projects, we are constantly improving the technology of PV modules we have made and carry out recurring tests. The quality control is especially important for us and we also have random tests for the PV modules in Germany. Our products have the currently valid test standards and certificates for the pv market.



Current-Voltage & Power-Voltage Curve (350)

