

VDS-P60

290-270W

POLYCRYSTALLINE SOLAR MODULE 60cells

Product Advantages



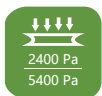
High conversion efficiency
High module efficiency to guarantee power output.



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.



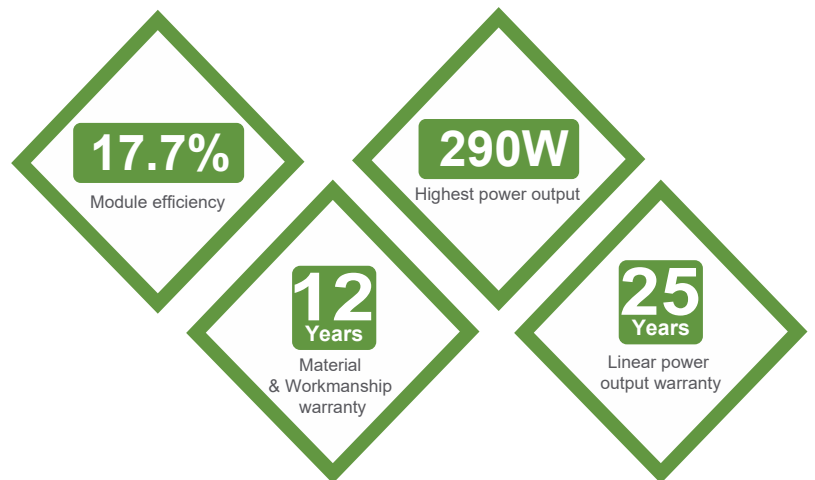
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



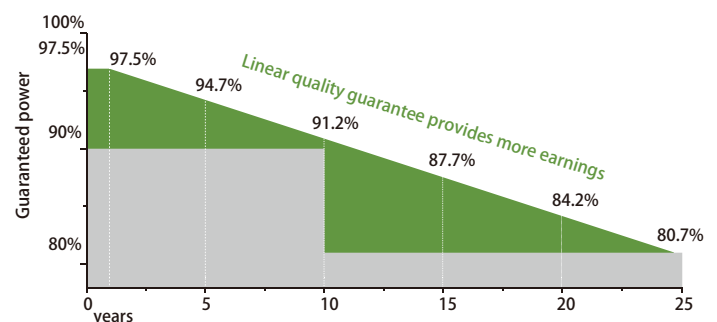
0 ~ +5W positive tolerance
Detailed information in Electrical Specifications



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



Product Guarantee



Product Certification



VDS-P60

Electrical Characteristics

STC	P60-290	P60-285	P60-280	P60-275	P60-270
Maximum Power at STC (Pmax)	290 W	285 W	280 W	275 W	270 W
Optimum Operating Voltage (Vmp)	31.9 V	31.7 V	31.6 V	31.4 V	31.1 V
Optimum Operating Current (Imp)	9.09 A	9.00 A	8.86 A	8.76 A	8.69 A
Open Circuit Voltage (Voc)	39.1 V	38.9 V	38.5 V	38.1 V	37.9 V
Short Circuit Current (Isc)	9.56 A	9.46 A	9.38 A	9.27 A	9.21 A
Module Efficiency	17.7%	17.4%	17.1%	16.8%	16.5%
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/m², module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	P60-290	P60-285	P60-280	P60-275	P60-270
Maximum Power at NMOT (Pmax)	217.9 W	214.4 W	210.3 W	206.4 W	203.0 W
Optimum Operating Voltage (Vmp)	29.9 V	29.8 V	29.5 V	29.2 V	29.0 V
Optimum Operating Current (Imp)	7.28 A	7.20 A	7.14 A	7.07 A	7.01 A
Open Circuit Voltage (Voc)	36.6 V	36.4 V	36.0 V	35.7 V	35.5 V
Short Circuit Current (Isc)	7.73 A	7.65 A	7.59 A	7.49 A	7.45 A

NMOT: Irradiance 800 W/m², 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

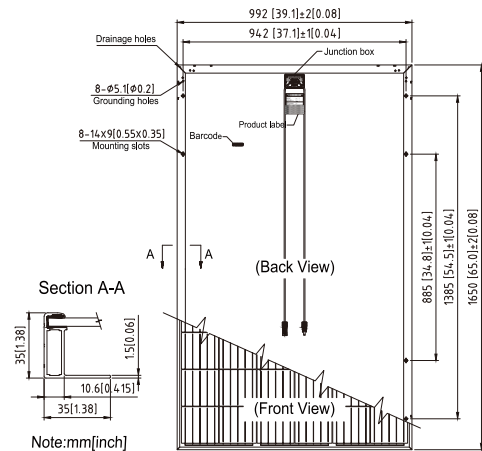
Solar Cell	Polycrystalline silicon
No. of Cells	60 (6 × 10)
Dimensions	1650 × 992 × 35mm
Weight	18.3 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm ² , symmetrical lengths (-) 900mm and (+) 900 mm
Connectors	MC4 compatible

Packing Configuration

Container	20' GP	40' HC
Pieces per pallet	30	32
Pallets per container	12	28
Pieces per container	360	896

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 (290)

