



VDS-S72

380-360W

MONOCRYSTALLINE SOLAR MODULE 72cells

Product Advantages



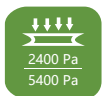
High conversion efficiency
High module efficiency to guarantee power output.



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.



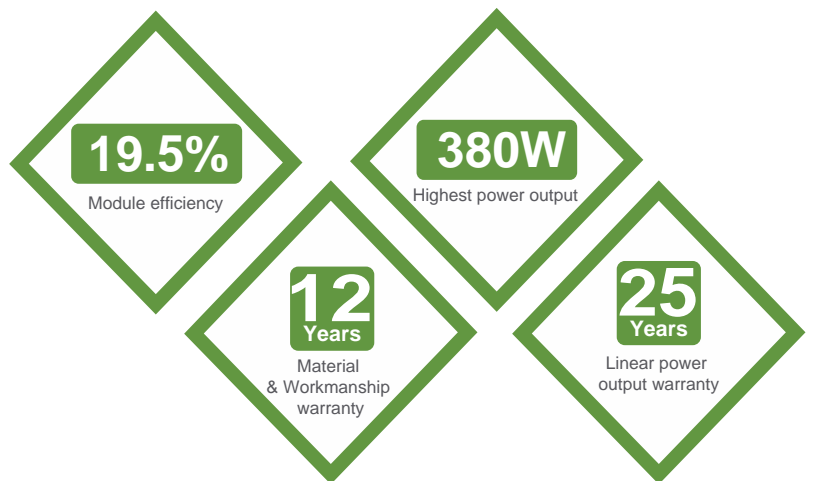
Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.



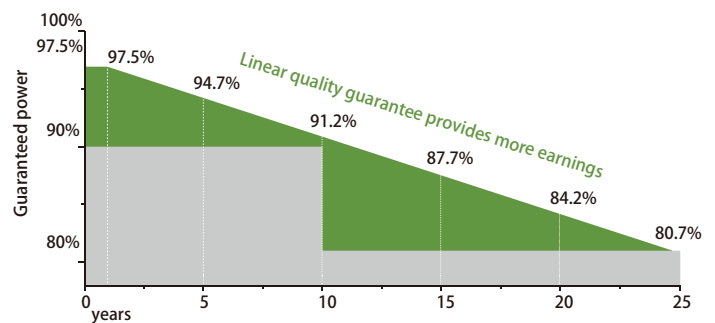
0 ~ +5W positive tolerance
Detailed information in Electrical Specifications



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



Product Guarantee



Product Certification



VDS-S72

Electrical Characteristics

STC	S72-380	S72-375	S72-370	S72-365	S72-360
Maximum Power at STC (Pmax)	380 W	375 W	370 W	365 W	360 W
Optimum Operating Voltage (Vmp)	40.1 V	39.9 V	39.7 V	39.5 V	39.2 V
Optimum Operating Current (Imp)	9.48 A	9.40 A	9.32 A	9.24 A	9.18 A
Open Circuit Voltage (Voc)	48.5 V	48.3 V	48.1 V	47.9 V	47.7 V
Short Circuit Current (Isc)	9.93 A	9.85 A	9.78 A	9.71 A	9.66 A
Module Efficiency	19.5%	19.3%	19.0%	18.8%	18.5%
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	S72-380	S72-375	S72-370	S72-365	S72-360
Maximum Power at NMOT (Pmax)	284.1 W	280.4 W	276.7 W	273.1 W	269.50
Optimum Operating Voltage (Vmp)	37.3 V	37.1 V	36.9 V	36.7 V	36.5 V
Optimum Operating Current (Imp)	7.63 A	7.56 A	7.50 A	7.44 A	7.38 A
Open Circuit Voltage (Voc)	45.2 V	45.0 V	44.9 V	44.7 V	44.5 V
Short Circuit Current (Isc)	8.02 A	7.96 A	7.90 A	7.85 A	7.79 A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;

Temperature Characteristics

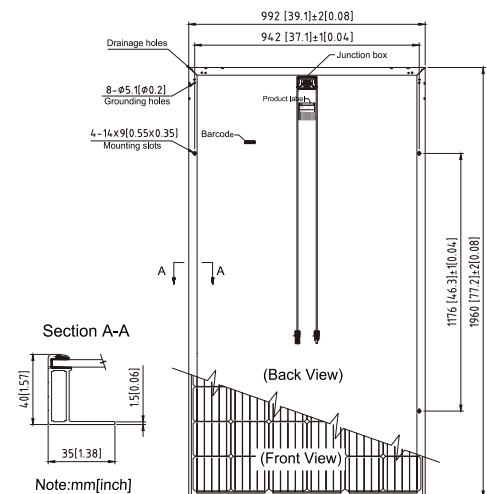
Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax	-0.37 %/°C
Temperature Coefficient of Voc	-0.34 %/°C
Temperature Coefficient of Isc	0.060 %/°C

Mechanical Characteristics

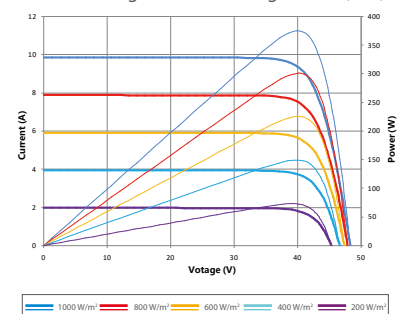
Solar Cell	Monocrystalline silicon
No. of Cells	72 (6 × 12)
Dimensions	1960 × 992 × 40mm
Weight	22.1 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm ² , symmetrical lengths (-) 1100mm and (+) 1100 mm
Connectors	MC4 compatible

Packing Configuration

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



Current-Voltage & Power-Voltage Curve (380)



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.