

VISEL

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VS-M72 (156) PV MODULES



- **Dinamic and high quality:** Visel photovoltaic modules are designed for large electrical power requirements offering power and reliable performance for on-grid and off-grid solar projects.
- **Large european guarantee:**
 - Guarantee product: 5 years.
 - Power output guarantee: 90% in 12 years and 80% in 25 years.
- **Best raw materials:**
 - Cells: high efficiency ensuring optimum performance and maximum power.
 - Frame: anodised aluminium, high torsion resistance, drainage holes.
 - Glass: anti-reflecting coating and elevate transmission rate.

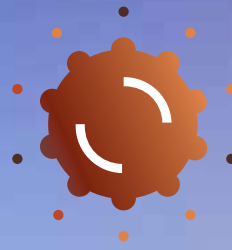
▪ **All compliance pass:** tested by TUV certificated according to IEC61215 and IEC61730.

▪ **High resistance:** good performance of preventing from atrocious weather, resisting moisture and etching effectively, not effect geology.

ELECTRIC SPECIFICATION

Model Type	VS250M	VS260M	VS270M	VS280M	VS290M
	-72(156)	-72(156)	-72(156)	-72(156)	-72(156)
Max. Power (Pmax)	250Wp	260Wp	270Wp	280Wp	290Wp
Max. Power Voltage (Vmp)	35.3V	35.8V	36.2V	36.5V	36.8V
Max. Power Current (Imp)	7.08A	7.26A	7.46A	7.67A	7.88A
Open-Circuit Voltage (Voc)	43.6V	44V	44.5V	45V	45.3V
Short-Circuit Current (Isc)	7.76A	7.98A	8.18A	8.32A	8.39A
Module Efficiency (%)	12.85%	13.35%	13.87%	14.39%	14.90%
Power Tolerance				± 3%	
Max. System Voltage				1000V	
Max. Series Fuse Rating				15A	
Temp. Coefficient of Pmax				-0.48%	
Temp. Coefficient of Voc				-0.347%	
Temp. Coefficient of Isc				0.055%	
NOCT				47± 2%	

These values are effective for irradiation 1000W/m2, AM 1.5 and a cell temperature of 25 °C (standard test conditions)



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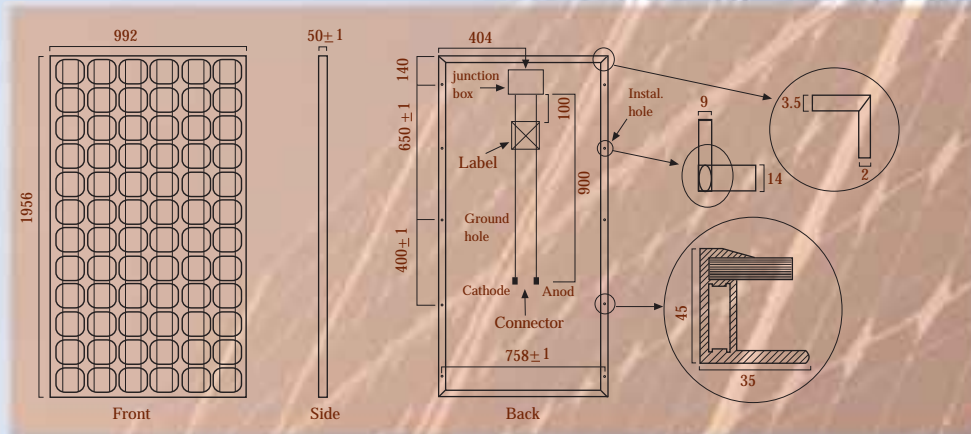
MECHANICAL SPECIFICATIONS

Cell Type	Mono-crystalline 156 x 156 mm
Nº of Cells	72 (6 x 12)
Module Dimension	1956 x 992 x 50 mm
Weight	23.5 Kg
Glass	3.2 mm, High transmission, low iron, tempered
Frame	Anodized aluminium alloy
Junction box	With 3 bypass diode, IP67 resistance level
Cable	PVF-1, 1 x 4.0 mm ² , 900 mm length
Cell encapsulation	EVA (ethylene-vinyl-acetat)

OPERATING CONDITIONS

Temp. cycling range	-40°C / 85°C
Humidity freeze, famp heat	85% RH
Maximun surface load capacity	5400 Pascal
Hailstone impact resistance	Max. diameter 25 mm impact speed of 83 Km/h

ENGINEERING DRAWING



POWER

