

VISEL

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VS-M72 PV MODULES SERIES



- **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 maximun power.
 - Frame: anodised aluminium, high torsion resistance, drainage holes.
 - Glass: anti-reflecting coating and elevate transmission rate.

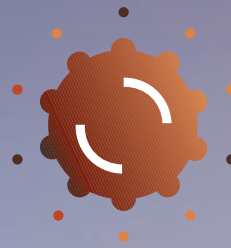
▪ **All compliance pass:** tested by TUV certificated according to IEC61215 and IEC61730.

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

ELECTRIC SPECIFICATION

Model Type	VS175M-72	VS180M-72	VS185M-72	VS190M-72
Max. Power (Pmax)	175Wp	180Wp	185Wp	190Wp
Max. Power Voltage (Vmp)	35.5V	36V	36V	36V
Max. Power Current (Imp)	4.93A	5A	5.14A	5.28A
Open-Circuit Voltage (Voc)	42.6V	43.2V	43.2V	43.2V
Short-Circuit Current (Isc)	5.52A	5.6A	5.76A	5.91A
Module Efficiency (%)	14.2%	14.6%	15.0%	15.4%
Power Tolerance				±3%
Max. System Voltage				1000V
Max. Series Fuse Rating				10A
Temp. Coefficient of Pmax				-0.47%
Temp. Coefficient of Voc				-0.35%
Temp. Coefficient of Isc				0.05%
NOCT				48±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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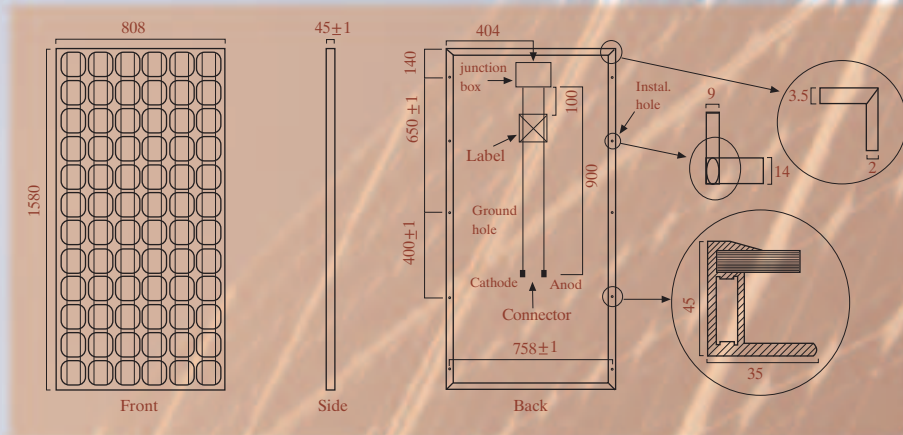
MECHANICAL SPECIFICATIONS

Cell Type	Mono-crystalline 125 x 125 mm
Nº of Cells	72 (6 x 12)
Module Dimension	1580 x 808 x 45 mm
Weight	15.5 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 / 80°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

