



VISEL

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VS-M96 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 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	VS200M-96	VS210M-96	VS220M-96	VS230M-96	VS240M-96
Max. Power (Pmax)	200Wp	210Wp	220Wp	230Wp	240Wp
Max. Power Voltage (Vmp)	46V	47V	48V	48V	48V
Max. Power Current (Imp)	4.34A	4.47A	4.58A	4.79A	5.00A
Open-Circuit Voltage (Voc)	55.2V	56.4V	57.6V	57.6V	57.6V
Short-Circuit Current (Isc)	4.86A	5.01A	5.13A	5.36A	5.66A
Module Efficiency (%)	12.2%	12.8%	13.4%	14.0%	14.6%
Power Tolerance				±3%	
Max. System Voltage				1000V	
Max. Series Fuse Rating				15A	
Temp. Coefficient of Pmax				-0.44%	
Temp. Coefficient of Voc				-0.33%	
Temp. Coefficient of Isc				0.04%	
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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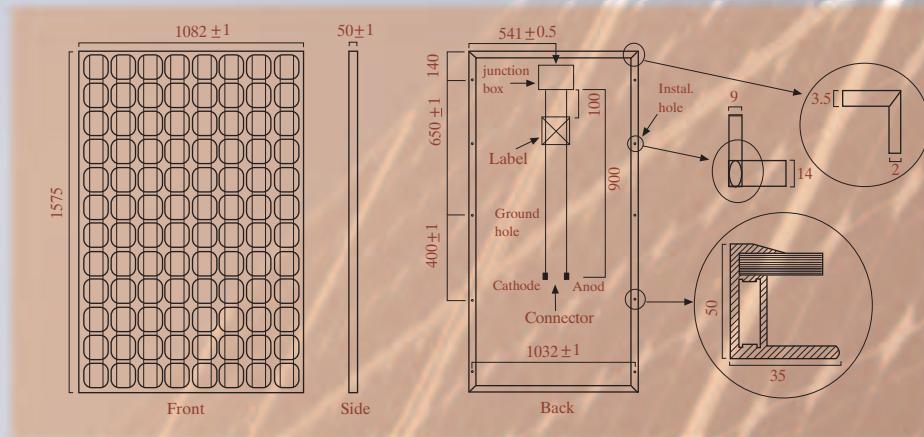
MECHANICAL SPECIFICATIONS

Cell Type	Mono-crystalline 125 x 125 mm
Nº of Cells	96 (8 x 12)
Module Dimension	1575 x 1082 x 50 mm
Weight	22 Kg
Glass	3.2 mm, High transmission, low iron, tempered
Frame	Anodized aluminium alloy
Junction box	With 4 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

