



VISEL

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VS-P60 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	VS200P-60	VS210P-60	VS220P-60	VS230P-60	VS240P-60
Max. Power (Pmax)	200Wp	210Wp	220Wp	230Wp	240Wp
Max. Power Voltage (Vmp)	28.5V	29V	29.5V	30V	30.5V
Max. Power Current (Imp)	7.02A	7.24A	7.46A	7.67A	8.00A
Open-Circuit Voltage (Voc)	34.2V	34.8V	35.4V	36V	36.6V
Short-Circuit Current (Isc)	7.86A	8.11A	8.36A	8.59A	8.96A
Module Efficiency (%)	12.2%	12.8%	13.4%	14.1%	14.7%
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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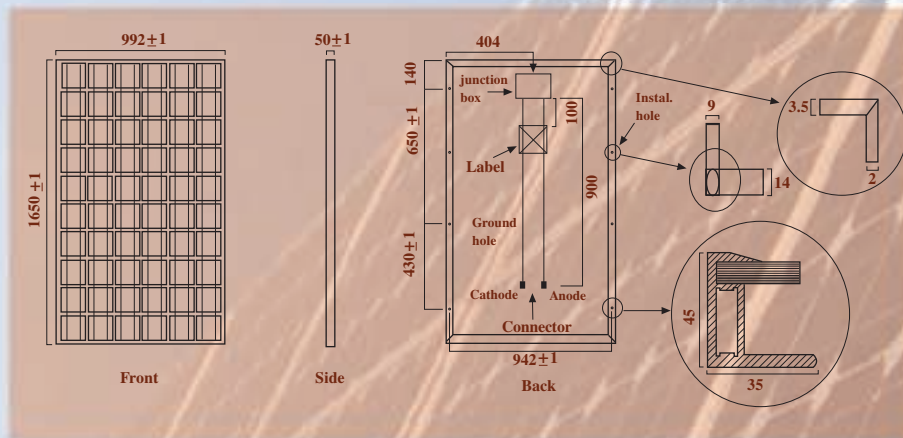
MECHANICAL SPECIFICATIONS

Cell Type	Multy-crystalline 156 x 156 mm JINKO
Nº of Cells	60 (6 x 10)
Module Dimension	1650 x 992 x 50 mm
Weight	19.5 Kg
Glass	3.2 mm, High transmission, low iron, tempered
Frame	Anodized aluminium alloy
Junction box	With 6 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 CURVES

