

VALANCE PC 72



High efficiency - **18.29%**



Polycrystalline Solar Cells With
High Transmission & Textured Glass



Maximizing the kWh Output Per Unit Area



Tight **Positive Power** Tolerance of **0W**
to **+5W**



With **stand wind** loads of up to **2.4kPa**
and **snow** loads of up to **5.4kPa**



German Technology Manufacturing
Facility

WARRANTIES

- 10-year limited product warranty
- Limited power warranty 1:10 years at 97.5% of the minimal rated power output, 25 years at 83.1% of the minimal rate power output.
- Withstand wind loads of up to 2.4 kPa and snow loads of up to 5.4kPa, confirming mechanical stability.

*in compliance with our Warranty Terms and Conditions

INTERNATIONAL & NATIONAL CERTIFICATIONS

- IEC 61215, IEC 61730-1, IEC 61730-2, IEC 61701-Salt Mist Corrosion Testing, IEC 62804 PID POLY/POLY PERC ,IEC 62804 PID MONO/MONO PERC.



VALANCE PC 72

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type	PM72 Series							
Power output	P _{max}	W	330	335	340	345	350	355
Power output tolerances	ΔP _{max}	Positive Tolerance Only						
Module efficiency	η _m	%	17.00	17.26	17.52	17.78	18.04	18.29
Voltage at P _{max}	V _{mpp}	V	38.84	38.98	39.01	39.06	39.10	39.21
Current at P _{max}	I _{mpp}	A	8.50	8.60	8.72	8.84	8.97	9.06
Open-circuit voltage	V _{oc}	V	45.51	45.87	46.08	46.21	46.66	47.80
Short-circuit current	I _{sc}	A	8.99	9.02	9.39	9.42	9.46	9.51

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	46+/-2
Temperature coefficient of P _{max}	γ	%/°C	-0.38
Temperature coefficient of V _{oc}	β _{Voc}	%/°C	-0.28
Temperature coefficient of I _{sc}	α _{Isc}	%/°C	0.0051
Temperature coefficient of V _{mp}	β _{Vmpp}	%/°C	-0.45

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Max. series fuse rating	20A
Limiting reverse current	20A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow and wind)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Max. hailstone impact(diameter / velocity)	25mm / 23m/s

CONSTRUCTION MATERIALS

Front cover (material / thickness)	Low-iron Tempered Glass / 3.2mm
Cell (quantity / material / dimensions/number of busbars)	72 / Polycrystalline / 157 mm x 157 mm / 5
Encapsulate (material)	PID free ethylene vinyl acetate (EVA)
Frame (material / color / anodization color / edge sealing)	Anodized Aluminum Alloy / Silver / Clear / Silicone Or Tape
Junction box (protection degree)	TUV certified IP67 rated / Weatherproof PPO enclosure with 3 bypass diodes
Cable (length / cross-sectional area)	TUV certified cable with length 1.25 m / 4mm ²
Plug connector (type / protection degree)	MC4 Or compatible

CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT

Note :

- Soleos Solar Energy PVT. LTD. reserves the right to change the specification with prior notice:
- All measurements and warranty/guarantee applicability under standard test conditions (1000W/m², 25°C, AM 1.5), kindly refer our guarantee/warranty policy for further details.

Soleos Solar GmbH
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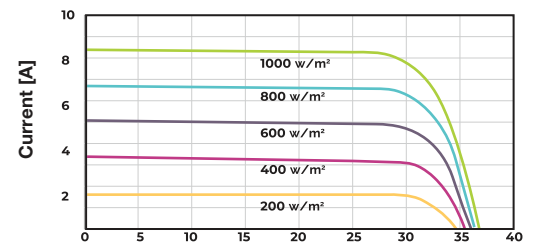
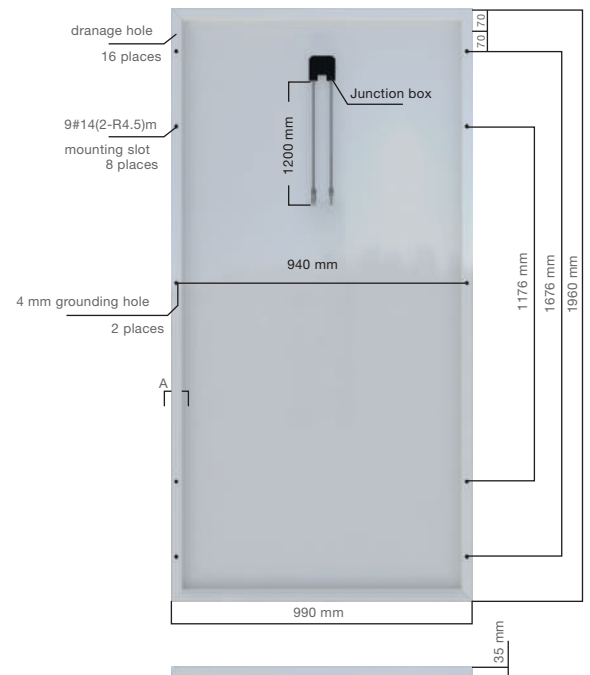
GENERAL CHARACTERISTICS

Dimensions (L / W / H)	1960 mm / 990 mm / 35 mm
Weight	21 kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Number of pallets per 20' Vehicle	10
Packaging box dimensions (L / W / H)	1975 mm / 1060 mm / 1005 mm
Box weight	720 kg

BACK VIEW OF MODULE



Module Characteristics at constant module temperatures of 25°C and variable levels of irradiance