

TECHNICAL DATA

ELDORA GLASS-GLASS 72 SERIES

THE DATASHEET IS APPLICABLE FOR: ELDORA VSPG.72.AAA.05 (AAA=320-330)

Electrical Data^{1,2}

Peak Power P_{max} (Wp) Power Tolerance : 0 ~ +4.99Wp	320	325	330
Maximum Voltage V_{mpp} (V)	37.7	37.8	38.0
Maximum Current I_{mpp} (A)	8.5	8.61	8.7
Open Circuit Voltage V_{oc} (V)	46	46.2	46.3
Short Circuit Current I_{sc} (A)	9.03	9.13	9.24
Module Efficiency η (%)	16.33	16.59	16.84

1) STC:1000 W/m² irradiance, 25°C Cell Temperature, AM1.5G Spectrum

2) Measurement Tolerance at STC : P_{max} : $\pm 3\%$ V_{oc} : $\pm 5\%$ I_{sc} : $\pm 5\%$

Electrical Parameters at NMOT³

Power (W)	237.6	239.5	241.3
I_{sc} (A)	34.8	34.8	34.9
V_{oc} (V)	6.82	6.86	6.91
$I@P_{max}$ (A)	42.6	42.7	42.8
$V@P_{max}$ (V)	7.31	7.35	7.39

3) NOCT Irradiance 800 W/m², ambient temperature 20°C, AM 1.5G Spectrum, Wind Speed 1m/sec

Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Temperature Coefficients (Tc) and permissible operating conditions

Tc of Open Circuit Voltage (β)	-0.29%/°C
Tc of Short Circuit Current (α)	0.057%/°C
Tc of Power (γ)	-0.38%/°C
Maximum System Voltage	1500 V (IEC & UL)
NOCT	43 °C $\pm$ 2°C
Temperature Range	-40°C to + 85°C

Mechanical Data

Length $\times$ Width $\times$ Height	1975 $\pm$ 2mm $\times$ 992 $\pm$ 2mm $\times$ 6 $\pm$ 0.5mm (1975 $\pm$ 2mm $\times$ 992 $\pm$ 2mm $\times$ 25 $\pm$ 2mm with Junction Box)
Weight	27 kg $\pm$ 3%
Junction Box	IP67/IP68 (Split Junction Box with individual bypass diode)
Cable Cross Section Size	4mm ²
Connectors	PVKST4-EV02/xy_UR/PVKBT4-EVO 2/xy_UR, PV-JM608, 05-8.
Application Class	Class A (Safety class II)
Superstrate	2.5 mm [0.098 inches] High transmission, AR coated
Cells	72 (6 $\times$ 12) Polycrystalline 5BB solar cells
Substrate	2.5 mm [0.098 inches] high transmission float glass
Cell Encapsulant	Polyolefin (POE)
Maximum Static Load, Front	1600Pa, 1.5
Maximum Static Load, Back	1600Pa, 1.5
Maximum Series Fuse Rating	15A

Warranty

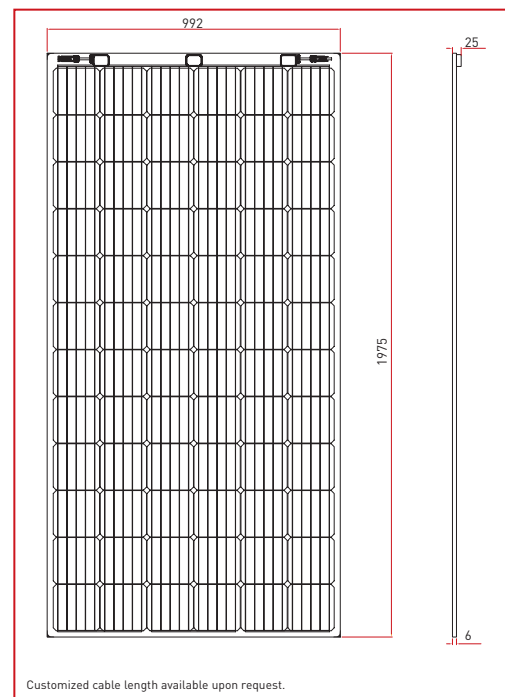
Product Warranty**	10 years
Performance Warranty**	Linear Power Warranty for 30 years with 2.5% for 1st year degradation and 0.50% from year 2 to year 30
Approvals and Certificates	IEC 61215:2016, CE, IEC 61730:2016, IS/IEC 61730, IS 14286

CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

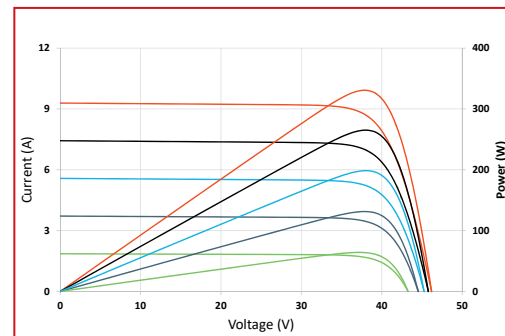
Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.

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Dimensions in mm

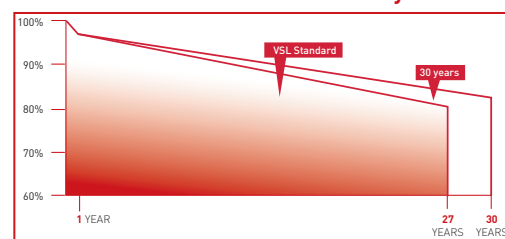


Typical I-V Curves⁴



4) Average relative efficiency reduction of 5% at 200 W/m² according to EN 60904-1.

Linear Performance Warranty



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