

ViaSolis PRIME 280-310 framed

Glass/Glass polycrystalline 72 cell module

Glass/Glass modules – advanced choice for those who look for durability, safety, efficiency.

KEY FEATURES



50+ year lifetime. Edge-sealant protection assures superior atmospheric and humidity resistance.



Back glass instead of plastic assures durability and robust protection against UV, moisture, ammonia and salt corrosion.



Higher heat dispending. Glass is better thermal conductor than plastic back-sheet in standard modules ensuring higher efficiency in hot climate.



100% PID free cells. Potential induced degradation is eliminated at cell level using PVB lamination foil.



Wider light spectrum absorbed. PVB lamination foil utilise light spectrum starting from 280nm.

LAMINATION FOIL:

- Black
- White
- Transparent

Why Glass/Glass technology?

Glass/Glass (G/G) modules are produced by laminating PV cells between two glasses, instead of standard glass and plastic.

In comparison with standard modules, the same glass material resistance and heat dispending is more durable in fluctuating temperatures, hot and humid climate zones, ensuring a 50 year lifespan.

Unlike other G/G modules in the market, ViaSolis uses innovative edge-sealant technology to protect PV cells from humidity.

PV cells are manufactured in-house using advanced technologies ensuring elimination of potential induced degradation (100% PID free cells).

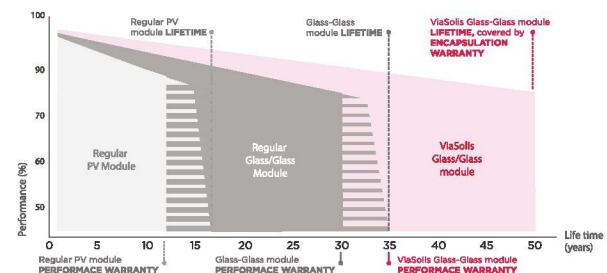
Both ViaSolis cells and modules are manufactured using green energy – geothermal, solar and hydro power.

RELIABLE QUALITY

- Positive power tolerance 0/+5 W
- 100% double quality control ensures modules are defect free
- Fully automated production lines eliminates human mistakes
- Manufactured and assembled in EU (Vilnius, Lithuania)

MANUFACTURER WARRANTY

- 50-year laminates warranty
- 35-year product warranty
- 35-year linear performance guarantee



MECHANICAL PARAMETERS

Cell (mm)	Poly 156x156
Weight (kg)	27
Dimensions (LxWxH) (mm)	1999 x 1000 x 41
Cable Cross Section Size (mm ²) / Plugs	4 / MC4 compatible
No. of Cells in the Module	72 (12x6)
Junction Box	Huber+Suhner J-Box
Front / Back Glass (mm)	2.1 / 2.1
Packaging Configuration	23 per pallet

WORKING CONDITIONS

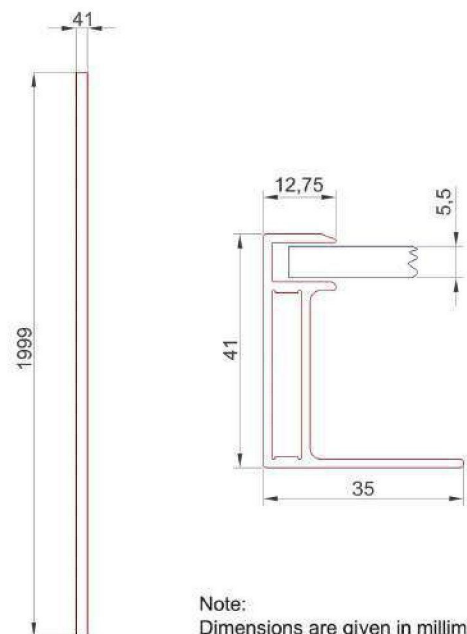
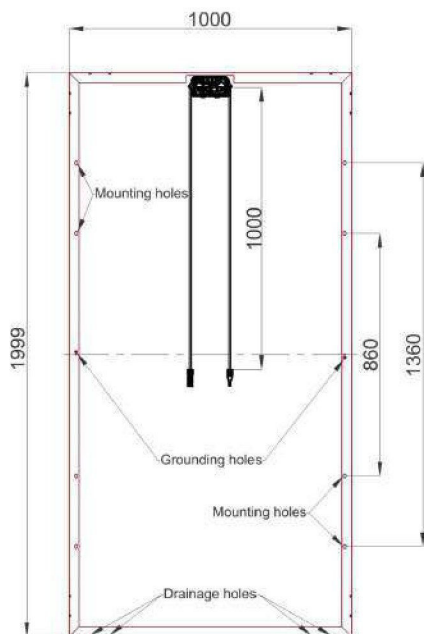
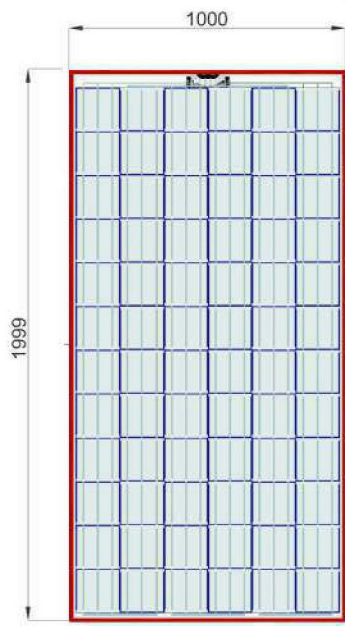
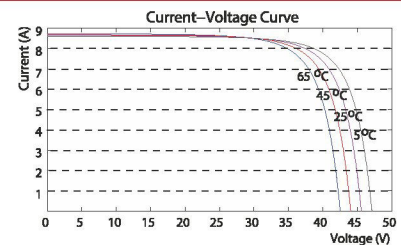
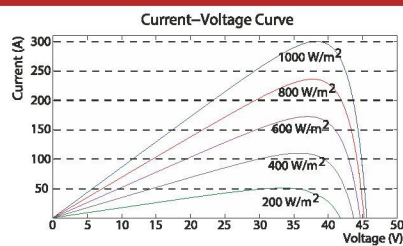
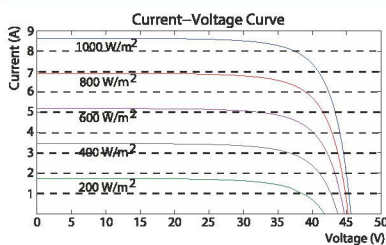
Maximum System Voltage	DC 1000V (EU)
Operating Temperature	-40 °C~+85°C
Maximum Current	15A
Maximum Static Load, Front (wind / snow)	10000Pa
NOCT	43,6°C
Safety Class	II

ELECTRICAL PARAMETERS

TYPE	ViaSolis PRIME 72.P 280 framed	ViaSolis PRIME 72.P 285 framed	ViaSolis PRIME 72.P 290 framed	ViaSolis PRIME 72.P 295 framed	ViaSolis PRIME 72.P 300 framed	ViaSolis PRIME 72.P 305 framed	ViaSolis PRIME 72.P 310 framed
Rated Maximum Power at STC (Wp)	280	285	290	295	300	305	310
Open Circuit Voltage (Voc/V)	45.44	45.48	45.52	45.55	45.59	45.63	45.65
Maximum Power Voltage (Vmp/V)	36.37	36.45	36.48	36.58	36.69	36.74	36.81
Short Circuit Current (Isc/A)	8.07	8.20	8.35	8.49	8.64	8.78	8.93
Maximum Power Current (Imp/A)	7.72	7.82	7.96	8.07	8.18	8.31	8.43
Module Efficiency [%]	14.20	14.45	14.70	14.96	15.21	15.47	15.72
Power Tolerance	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Temperature Coefficient of Isc (αIsc)	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C	+0.05%/°C
Temperature Coefficient of Voc (βVoc)	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C	-0.34%/°C
Temperature Coefficient of Pmax (γPmp)	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C	-0.42%/°C

STC Irradiance 1000W/m², Module Temperature 25°C, AM 1.5

I-V CURVE



Note:
Dimensions are given in millimeters

Specifications subject to technical changes and tests. Manufacturer reserves the right of final interpretation.