Viasolis PRIME 245 - 270
Glass/Glass 60 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 dispensing.** Glass is better thermal conductor than plastic back-sheet in standard modules ensuring higher efficiency in hot climate.
- **Possibility to bond the PV modules** with adhesive material.
- **100% PID free cells.** Potential induced degradation is eliminated at cell level using PVB lamination foil.
- **Compliant with IEC 61215:2005, IEC 61730:2004 standard**
- **Wider light spectrum absorbed.** PVB lamination foil utilise light spectrum starting from 280nm.
- **Customised choice.** Range of dimensions, forms, colours and efficiency for BIPV solutions.

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 laminate waranty
- 35-year product waranty
- 35-year linear performance guarantee

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 dispensing is more durable in fluctuating temperatures, hot and humid climate zones, ensuring 50 years lifetime.

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.
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### MECHANICAL PARAMETERS
- Cell (mm): 156x156
- Weight (kg): 27.3
- Dimensions (LxWxH) (mm): 1673x991x75
- Cable Cross Section Size (mm²) / Plugs: 4 / MC4 compatible
- No. of Cells in the Line: 60 (10x6)
- Junction Box: Front / Back Glass (mm)
- Packaging Configuration: 16 per pallet

### WORKING CONDITIONS
- Maximum System Voltage: DC 1000V (TDV)
- Operating Temperature: -40°C to +85°C
- Maximum Reverse Current: 15A
- Maximum Static Load, Front (wind / snow): 10000Pa / 10000Pa
- NOCT: 43.6°C
- Safety class: II

### ELECTRICAL PARAMETERS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>ViaSolis PRIME 60 P 245</th>
<th>ViaSolis PRIME 60 P 250</th>
<th>ViaSolis PRIME 60 P 265</th>
<th>ViaSolis PRIME 90 P 260</th>
<th>ViaSolis PRIME 90 M 265</th>
<th>ViaSolis PRIME 60 M 270</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power at STC (Wp)</td>
<td>245</td>
<td>250</td>
<td>255</td>
<td>260</td>
<td>265</td>
<td>270</td>
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<tr>
<td>Open Circuit Voltage (Voc/V)</td>
<td>37.54</td>
<td>37.57</td>
<td>37.63</td>
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<td>37.63</td>
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<tr>
<td>Short Circuit Current (Isc/A)</td>
<td>8.68</td>
<td>8.87</td>
<td>9.04</td>
<td>9.21</td>
<td>9.12</td>
<td>9.29</td>
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<tr>
<td>Maximum Power Current (Imp/A)</td>
<td>8.14</td>
<td>8.30</td>
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<tr>
<td>Module Efficiency [%]</td>
<td>14.78</td>
<td>15.08</td>
<td>15.38</td>
<td>15.68</td>
<td>13.44</td>
<td>13.69</td>
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<tr>
<td>Power Tolerance</td>
<td>0/+5 W</td>
<td>0/+5 W</td>
<td>0/+5 W</td>
<td>0/+5 W</td>
<td>0/+5 W</td>
<td>0/+5 W</td>
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<tr>
<td>Temperature Coefficient of (sc (doc))</td>
<td>+0.03%/°C</td>
<td>+0.03%/°C</td>
<td>+0.03%/°C</td>
<td>+0.03%/°C</td>
<td>+0.03%/°C</td>
<td>+0.03%/°C</td>
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<tr>
<td>Temperature Coefficient of Voc (Voc)</td>
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<td>-0.34%/°C</td>
<td>-0.34%/°C</td>
<td>-0.34%/°C</td>
<td>-0.34%/°C</td>
<td>-0.34%/°C</td>
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<tr>
<td>Temperature Coefficient of Pmax (rpm)</td>
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<td>-0.42%/°C</td>
<td>-0.42%/°C</td>
<td>-0.42%/°C</td>
<td>-0.3910%/°C</td>
<td>-0.3910%/°C</td>
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</table>

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

### ENGINEERING DRAWING

The module is certified with Alumero Click 6.8 L-200 clamps

Approved for:
- 10000 Pa snow load
- 10000 Pa wind load
- clamp area
- clamp mounting area

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