

## PHOTOVOLTAIC SOLUTION NEW CONSTRUCTION

The STEM Center at Anatolia College in Thessaloniki, Greece, has enhanced its facilities with a cutting-edge photovoltaic curtain wall and skylight, utilizing PV glass by Onyx Solar.

The newly designed building adheres to strict energy-efficiency standards, including on-site energy generation.

The Onyx Solar photovoltaic glass, crafted from crystalline silicon cells, features a **16 mm argon spacer and a low-e coating**, optimizing thermal performance.

The layout and cell density was totally customized to achieve the **desired balance between shadow, nominal power, visible light transmittance and solar heat gain coefficient**.



### TECHNICAL DATA

Nominal Power (Wp/m <sup>2</sup> )	113 Wp/m <sup>2</sup>
Visible Light Transmittance (VLT)	41%
Solar Factor (g-value)	22%
U value (W/m <sup>2</sup> K)	1.10
U value (Btu/h ft <sup>2</sup> °F)	0,28
Light Reflection (external)	8%



**ANATOLIA STEM CENTER**  
ANATOLIA COLLEGE, THESSALONIKI, GREECE

SKYLIGHT

CRYSTALLINE SILICON TECHNOLOGY

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