



PHOTOVOLTAIC RAILING

NEW CONSTRUCTION

This project located in Melbourne, The General, an 8-story mixed-use development stands out as a pioneering sustainable building. **It is the first in Australia to integrate solar photovoltaic glass on a façade and railing**, achieving a high-quality, **7.5-star energy rating**, and offering a sustainable alternative to typical apartment buildings.

In the "The General" project, Onyx Solar provided **amorphous silicon photovoltaic glass**, selected for its **low light transmittance**, is a testament to the architect's vision of creating a building that is both functionally and visually harmonious with its urban surroundings.



TECHNICAL DATA

Nominal Power (Wp/m ²)	40 Wp/m ²
Visible Light Transmittance (VLT)	10%
Solar Factor (g-value)	17%
U value (W/m ² K)	N/A
U value (Btu/h ft ² °F)	0,98
Light Reflection (external)	8%



THE GENERAL
MELBOURNE, AUSTRALIA

PV RAILING

AMORPHOUS SILICON TECHNOLOGY

C. KAIROUZ
ARCHITECTS
& ASSOCIATES INCORPORATING LU-188

