

PHOTOVOLTAIC SKYLIGHT

NEW CONSTRUCTION

Onyx Solar supplied its photovoltaic glass for this iconic skylight situated in Punggol Eco-Town, Singapore to **generate in-situ a significant amount of the energy** required by the building.

The installation comprises crystalline silicon PV glass with a **12 mm air chamber** for added **thermal insulation**. The PV glass panels have a **notable transparency degree**, allowing the entry of **abundant natural light**, which helps to reduce light consumption. At the same time they **block a significant amount of heat**, essential for reducing the use of air conditioning, without sacrificing the comfort of the visitors of this innovative shopping center located in Singapore where the weather is well know as extremely hot and humid.

The glass was, as usually, customized according to the customer's desires to achieve a perfect balance between **aesthetics, energy generation and energy efficiency**, culminating in a design that blends **high efficiency** with a visually appealing aesthetic.



TECHNICAL DATA

Nominal Power (Wp/m ²)	126 Wp/m ²
Visible Light Transmittance (VLT)	34%
Solar Factor (g-value)	40%
U value (W/m ² K)	2.70
U value (Btu/h ft ² °F)	0,48
Light Reflection (external)	8%



TECHNICAL DATA SHEET



SHORE PLAZA II
PUNGGOL, SINGAPORE

SKYLIGHT

CRYSTALLINE SILICON TECHNOLOGY

W O H A

