



EARN MONEY FROM DAY 1

LESS EXPENSIVE THAN OTHER  
CLADDING MATERIALS



THE MOST AWARD-WINNING PHOTOVOLTAIC COMPANY ON THE GLOBE.

# TURN YOUR BUILDING INTO A SOLAR POWER GENERATOR



**ENERGY  
GENERATION**



1 SQUARE METER = 9 LIGHTS



**SAVINGS  
FROM INSULATION**  
IN HEATING & AIR CONDITIONING



**UNLOCKS  
INCENTIVES FOR  
RENEWABLES**

PAYBACK TIME

**1  
DAY**

**BLACK**

# CALCULATE HOW MANY LIGHTS CAN BE POWERED BY EACH PIECE OF PV GLASS IN YOUR LOCATION

Each square metre of our PV glass can produce enough energy to power 9 lights on average for 4 hours every day. Select your location and calculate how many lights you can power with Onyx Solar PV Glass in your building. The estimation is calculated for vertical façades facing the Equator (opaque glass). Semi-transparent glass generates approximately 40% less.

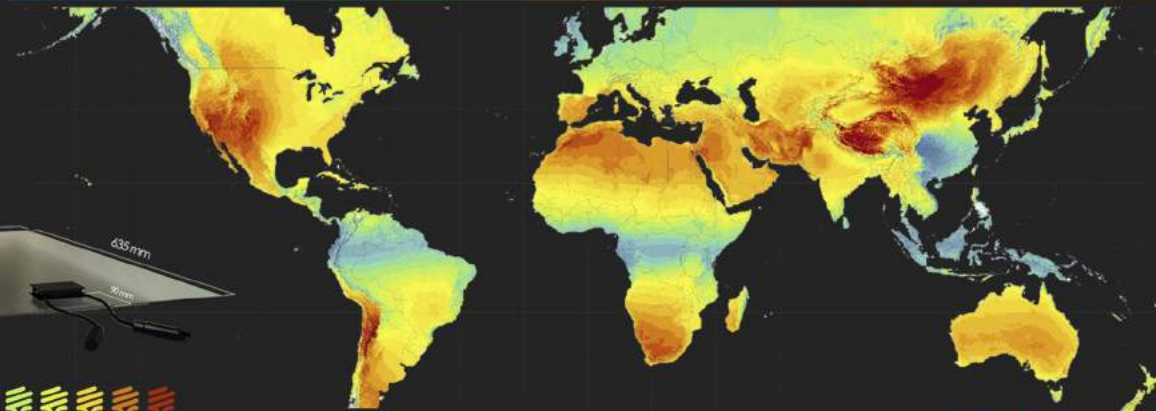
5 LIGHTS

6 LIGHTS

7 LIGHTS

8 LIGHTS

9 LIGHTS



1 SQUARE METER OF GLASS POWERS UP TO 9 LIGHTS FOR FOUR HOURS EVERY DAY



The number of lights powered by 1 square meter of glass is an average estimation where factors like surrounding shadows, self-shades, potential losses due to the Balance of System and other external impacts are not taken into account. These factors might lead to a reduction in energy production. 7 W

Colour	Size	Thickness	Weight (Kg)	Wind Resistance (test load EC-6/EN6)	Fire rated spread rating UL90	Fire rated load bearing UL70	Can it be cut on site?	Peak Power	Minimum pieces to operate		Open-circuit voltage	Short-circuit current	Voltage at nominal power	Current at nominal power
									AC output	DC output				
Black opaque	1245x635mm	8 mm	15 Kg	3,6 kPa	Class A	Class C	Yes	46 Wp	30 Pcs	6 Pcs	50	1.50	34	1.34
Black Semi-transparent	1245x635mm	8 mm	15 Kg	3,6 kPa	Class A	Class C	Yes	27 Wp	50 Pcs	10 Pcs	50	0.97	34	0.79

End units can be cut-to-size on the jobsite. These units are supplied with no junction box and they do not generate power. Power tolerance +/- 5%. Onyx Solar reserves the right to alter product designs or specifications without prior notice.

## TO BUILD A SOLAR PV RAINSCREEN CLADDING IS EASY AND FAST



BEFORE

AFTER

This Rainscreen Cladding System offers optimized thermal insulation. It is unbeatable when combined with Onyx glass, which generates clean and free power from sunlight.

### VIEW FROM INSIDE

The glass is opaque on non-view areas but semi-transparent on view areas, allowing the natural light to enter the building through its windows and maintaining visual contact with the exterior.

