

# PHOTOVOLTAIC CANOPY

## NEW CONSTRUCTION

Barcelona City Council, alongside Barcelona de Serveis Municipals, Barcelona Regional, and ORDEIC, has renovated 24,000 m<sup>2</sup> at Port Olímpic. This major project revitalizes the area to enhance training facilities, aquatic sports, and attract entrepreneurs focused on innovation and the circular economy. In anticipation of the **America's Cup 2024**, the redevelopment will improve connectivity with its surroundings, stimulate maritime economic activity, and reinforce its commitment to the community.

OnyxSolar has installed 2,579 m<sup>2</sup> of solar canopies featuring 1,194 photovoltaic panels. Each panel provides 344 Wp of power and 18% light transmission, achieving a total of 410 kWp in renewable energy and enhancing comfort on the terraces.

Our panels, with 6 mm double glazing and an acid-treated interior, ensure efficient light transmission and effective shadow diffusion. Designed specifically for the project, they guarantee uniform cell distribution and precise adaptation to the space. The installation, carried out in collaboration with COPCISA and ACCIONA, was meticulously aligned with the project specifications, ensuring seamless integration with the existing structures.



**OLIMPIC PORT**  
BARCELONA, SPAIN

**CANOPY**  
CRYSTALLINE SILICON TECHNOLOGY



### TECHNICAL DATA

Potencia Nominal (Wp/m <sup>2</sup> )	159 Wp/m <sup>2</sup>
Transmisión de Luz Visible (VLT)	18%
Factor Solar (valor g)	31%
Valor U (W/m <sup>2</sup> K)	N/A
Valor U (Btu/h ft <sup>2</sup> °F)	N/A
Índice de reflexión(externo)	8%



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