

PHOTOVOLTAIC FAÇADE RENOVATION

Castellana 66, located on one of the most important avenues in Madrid, is a benchmark for sustainable design and energy efficiency. This building features a 1,668 m² ventilated façade equipped with cutting-edge photovoltaic technology. It utilizes 5BB monocrystalline cells with an anthracite-colored front frit finish and horizontal slats made of extra-clear glass, reaching a nominal power of 175 kWp. Additionally, the façade boasts an Acid Etch finish, along with transparent elements in the canopy, optimizing both the aesthetics and the building's energy performance.

Castellana 66 stands out not only for its innovative architectural design but also for its ability to integrate advanced technological solutions to improve the building's energy efficiency. The combination of photovoltaic technology and the ventilated façade enables more efficient thermal management, significantly reducing the building's energy needs.

TECHNICAL DATA

Nominal Power (Wp/m ²)	120 Wp/m ²
Visible Light Transmittance (VLT)	38%
Solar Factor (g-value)	45%
U value (W/m ² K)	5.4
U value (Btu/h ft ² °F)	0,94
Light Reflection (external)	8%



CASTELLANA 66
MADRID, SPAIN

FAÇADE

CRYSTALLINE SILICON TECHNOLOGY

