

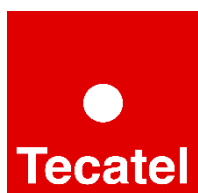


Case Study

Module: ND-RB275

Installation of Sharp's polycrystalline best seller on the roof of a factory in Portugal

Installation by: Tecatel S.A.
www.tecatel.com



www.sharp.eu

SHARP
Be Original.

About the panel

The ND-RB polycrystalline module is one of Sharp's best sellers and is widely used for free-field or rooftop installations.



About the project:

This past winter Tecatel has been installing 900 Sharp PV panels on a factory rooftop in Vila Nova de Gaia (Portugal) under the direction and design of the engineer D. Maura Cavaco.



PV Panels

Product:	Sharp ND-RB275
Number of Modules:	900
Rated power:	275Wp



Solar Power Plant

Roof size:	1600m ²
Roof orientation:	South
Roof pitch:	20°
Mounting condition:	Roof parallel
PV inverter:	10x SMA Tripower
Anchors used:	SIKLA



Earning

Specific annual yield: 380-400 MW/year



Vila Nova de
Gaia (Porto)



The operator says

"The challenge of this project was that the region of Porto is not a privileged sunny area within Portugal. Nevertheless, the plant has been providing peaks of more than 200 kW even in the darker months like November with total efficiency since its completion. Of course, the 250 kW will be achieved within these next sunny months."

Considering Portuguese electricity prices and calculating them on weekends or on holidays the solar energy will be fed into the grid with a small compensation, the savings are leading to an amortization period of five years."

The project director says

"A really satisfactory project with the success of choosing the best products."



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