

SIMULATION OF PROFITABILITY OF A PHOTOVOLTAIC INSTALLATION, OF 20 kWp

INSTALLATION DATA

Power Installed	21.00 kWp
Specific Production (Limit zone III of RDL14/2010)	1 417 kWh/kWp/year
Annual Energy Production	29 757 kWh/year

ECONOMIC DATA

Cost of the project	58 800.00 € (before taxes) *
Turnover for sale of energy	7 924.18 €
Annual operational costs (maintenance)	792.42 €
Annual insurance expenditure	117.60 €
Euribor 1 year	2.15%
Estimated RPI	3.00%
VAT	18%
Estimated energy RPI (RPI-0.25 until 2012/-0.50 from then on)	2.50%
Discounted price of net electrical energy	0.2663 €/kWh

SUBSIDIES AND FUNDING

Credit Funding	41 160.00 €	70.00%
Final interest rate of credit	4.65%	(Euribor + 2.50%)
Payment period	15.0 years	

RESULTS

Initial Investment	17 640.00 €	30%
Amount accumulated in 25 years	155 674.06 €	
Profitability at 25 years (IRR)	22.7%	
Initial investment recovered	5.1 years	

IS NOT CONSIDERED THE INVESTOR'S TAX OR TAX DEDUCTIONS

* VAT 100% refunded