

Harvest in kWh, CdTe versus Crystalline and CIS Modules

Remarks:

System losses 14% (Standard at PVGIS)

Calculations based on a 10kWp installation

These calculations are meant to show the (percentual) differences between the modules

We assume that there is a good ventilation

With bad ventilation differences are larger

Place: Amersfoort Netherlands

Results

Performance of CdTe is better than Crystalline or CIS (+ 8% tot 19%)

	Harvest in kWh			Deviation with	
	Cristalline	CIS	CdTe	cristalline	CIS
90°, Vertical (curtain wall)					
South	6510	6570	7210	111%	110%
East and West	4530	4660	5280	117%	113%
North	1710	1870	2430	142%	130%
35°, (Tile roof)					
South	9230	9370	10100	109%	108%
East and West	7420	7560	8350	113%	110%
North	5060	5170	6000	119%	116%
0°, Horizontal (Flat roof)					
East West North South	7970	8070	8850	111%	110%
15° (carport, proch)					
South	8800	8900	9650	110%	108%
East and West	7830	7950	8730	111%	110%
North	6750	6870	7690	114%	112%

Source: PVGIS