

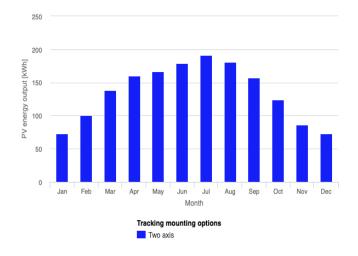
Performance of tracking PV

PVGIS-5 estimates of solar electricity generation

Provided inputs:		Simulation outputs		
Latitude/Longitude: 43.600,1.439			2A*	
Horizon:	Calculated	Slope angle [°]:	-	
Database used:	PVGIS-SARAH2	Yearly PV energy production [kWh]:	1630.42	
PV technology:	Crystalline silicon	Yearly in-plane irradiation [kWh/m²]:	2064.64	
PV installed:	1 kWp	Year-to-year variability [kWh]:	58.5	
System loss:	14 %	Changes in output due to:		
		Angle of incidence [%]:	-1.57	
		Spectral effects [%]:	1.19	
		Temp. and low irradiance [%]:	-7.81	
		Total loss [%]:	-21.03	

^{* 2}A: Two axis

Monthly energy output from tracking PV system:



Monthly in-plane irradiation for tracking PV system:

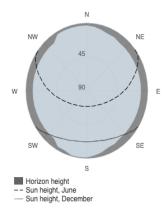


The European Commission maintains this was the state of t

It is our goal to minimise disruption caused by technical errors. However, some data or information on this site may have been created or structured in files or formats that are not error-free and we cannot guarantee that our service will not be interrupted or otherwise affected by such problems. The Commission accepts no responsibility with regard to such problems normal as a

For more information, please visit https://ec.europa.eu/info/legal-notice_en

Outline of horizon at chosen location:



	Two axis			
Month	$\mathbf{E}_{-}\mathbf{m}$	H(i)_m	$\mathbf{SD_m}$	
January	73.0	86.9	10.6	
February	99.9	120.7	18.7	
March	138.2	170.2	20.0	
April	160.2	200.7	25.9	
May	166.2	211.5	20.3	
June	179.3	233.6	16.4	
July	191.8	253.7	15.3	
August	181.0	238.0	10.4	
September	156.9	202.3	11.8	
October	124.2	155.2	17.3	
November	86.5	104.2	17.9	
December	73.3	87.7	17.2	

 $\label{eq:embedding} \textbf{E_m:} Average monthly electricity production from the defined system [kWh].}$

H_m: Average monthly sum of global irradiation per square meter received by the modules of the given system [kWh/m²].

SD_m: Standard deviation of the monthly electricity production due to year-to-year variation [kWh].

PVGIS ©European Union, 2001-2022. Reproduction is authorised, provided the source is acknowledged, save where otherwise stated.