

Address: Lat/Lon: ()

Cursor:

Selected: 52.420, 16.974

Elevation (m): 63

Use terrain shadows:

☒ Calculated horizon ()

☐ Upload horizon file ()

Nie wybrano pliku

GRID CONNECTED

TRACKING PV

OFF-GRID

MONTHLY DATA

DAILY DATA

HOURLY DATA

TMY

PERFORMANCE OF GRID-CONNECTED PV

Solar radiation database ()*

PVGIS-SARAH

PV technology ()*

Crystalline silicon

Installed peak PV power [kWp] ()*

19

System loss [%] ()*

14

Fixed mounting options

Mounting position ()*

Free-standing

Slope [°] ()*

13

Azimuth [°] ()*

35

☐ PV electricity price

PV system cost (your currency) ()

Interest [%/year] ()

Lifetime [years] ()

☐ Optimize slope ()

☐ Optimize slope and azimuth ()

Visualize results

csv

json

PERFORMANCE OF GRID-CONNECTED PV: RESULTS

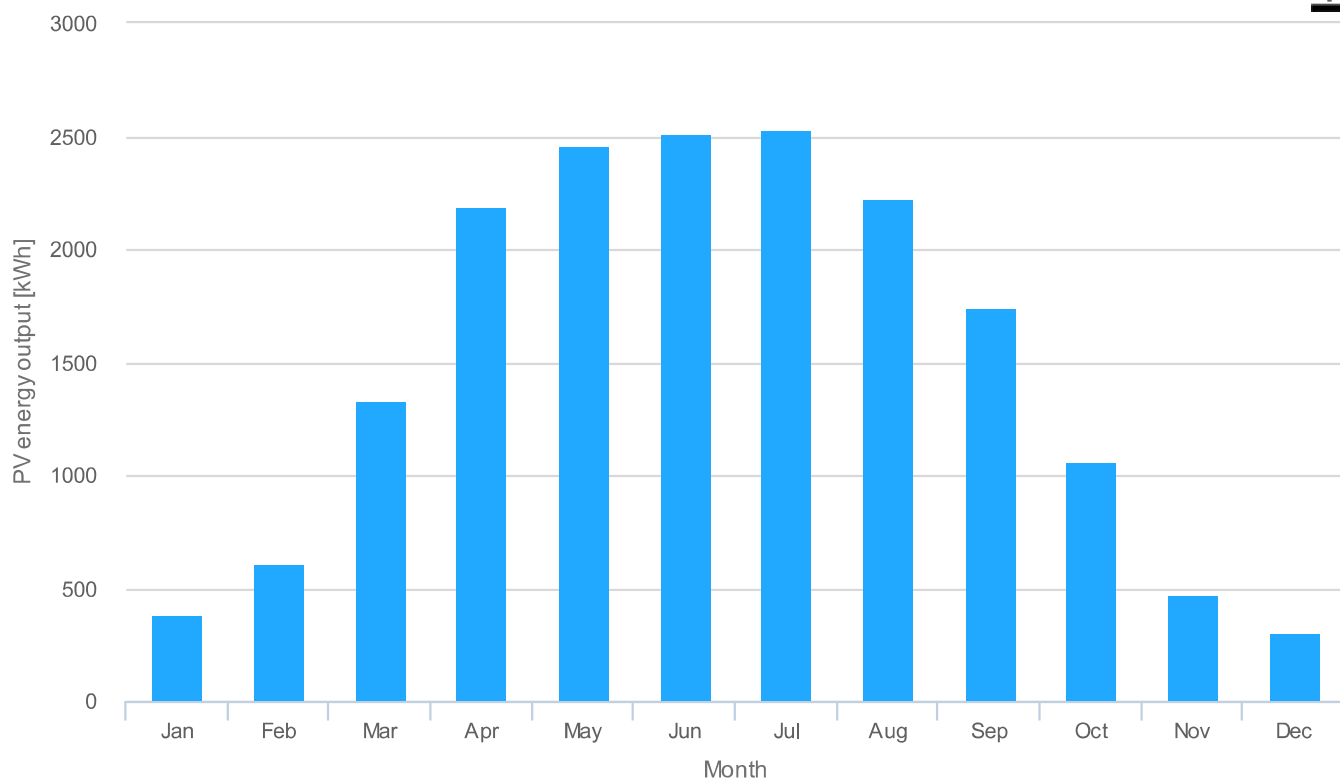
PV output

Radiation

Info

PDF

Summary		
Provided inputs:		
Location [Lat/Lon]:	52.420, 16.974	
Horizon:	Calculated	
Database used:	PVGIS-SARAH	
PV technology:	Crystalline silicon	
PV installed [kWp]:	19	
System loss [%]:	14	
Simulation outputs:		
Slope angle [°]:	13	
Azimuth angle [°]:	35	
Yearly PV energy production [kWh]:	17828.48	
Yearly in-plane irradiation [kWh/m ²]:	1179.54	
Year to year variability [kWh]:	869.79	
Changes in output due to:		
Angle of incidence [%]:	-3.77	
Spectral effects [%]:	1.67	
Temperature and low irradiance [%]:	-5.46	
Total loss [%]:	-20.45	
Monthly energy output from fix-angle PV system		



Outline of horizon

