

Estimation of PV electricity generation for the chosen location

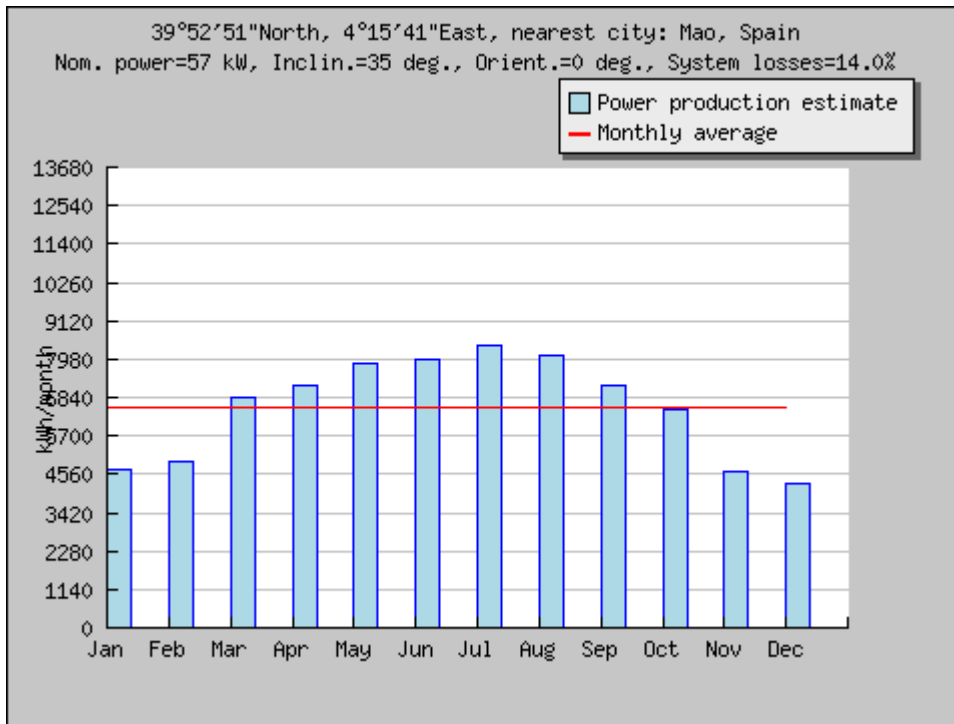
Modify the parameters of your PV installation and click the "Submit" button. [\[help\]](#)

PV technology:	<input type="text" value="Crystalline silicon"/>
Enter installed peak PV power	<input type="text" value="57"/> kWp
Estimated system losses (%) [0.0:100.0]	<input type="text" value="14.0"/>
Module inclination [0,90]	<input type="text" value="35"/> deg.
Module orientation [-180;180] (E:-90 S:0)	<input type="text" value="0"/> deg.
<input checked="" type="radio"/>	Use given inclination and orientation
<input type="radio"/>	Find optimal inclination for given orientation
<input type="radio"/>	Find optimal inclination and orientation
<input checked="" type="checkbox"/>	Show performance for 2-axis tracking system
<input type="checkbox"/>	Show horizon outline graph
<input type="checkbox"/>	Show also the in-plane irradiation
Click to confirm your choice <input type="button" value="Submit"/>	

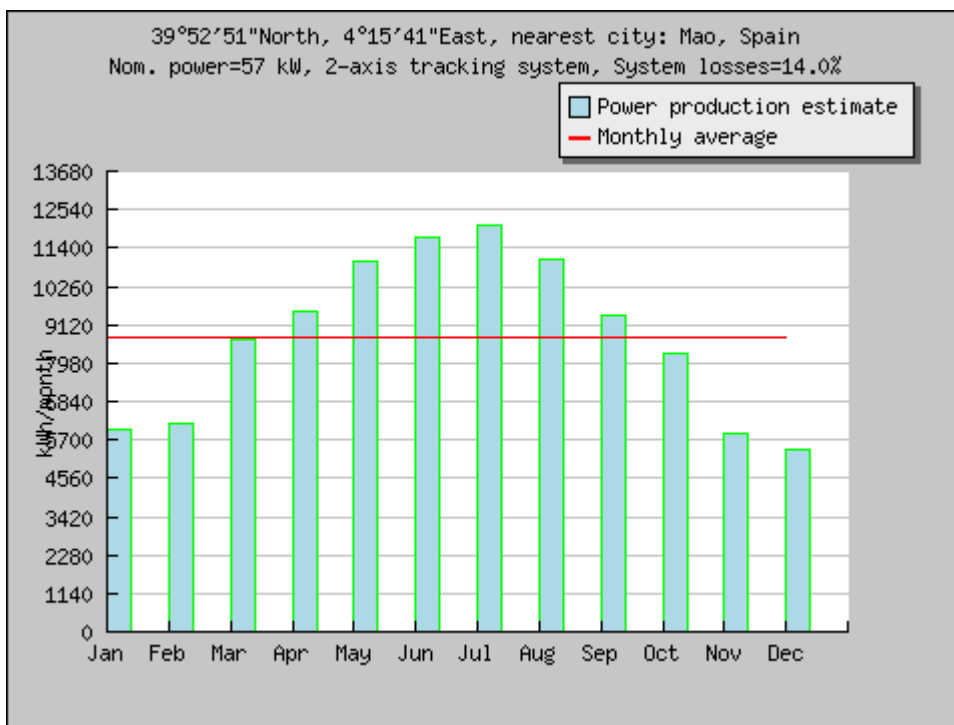
Location: 39°52'51" North, 4°15'41" East, Elevation: 55 m a.s.l,
Nearest city: Mao, Spain (1412820 km away)

Nominal power of the PV system: 57.0 kW (crystalline silicon)
Inclination of modules: 35.0°
Orientation (azimuth) of modules: 0.0°
Estimated losses due to temperature: 8.9% (using local ambient temperature data)
Estimated loss due to angular reflectance effects: 2.6%
Other losses (cables, inverter etc.): 14.0%
Combined PV system losses: 25.5%

This graph and table show the (estimated) amount of electric power you can expect each month from a PV system with the properties you entered (using optimal inclination and orientation, if you requested so). It also shows the expected average daily and yearly production.



This graph shows the power from a 2-axis tracking system



PV electricity generation for:

Nominal power=57.0 kW,

System losses=14.0%

Month	Inclin.=35 deg., Orient.=0 deg.		2-axis tracking system	
	Production per month (kWh)	Production per day (kWh)	Production per month (kWh)	Production per day (kWh)
Jan	4720	152	5987	193
Feb	4932	176	6170	220

PV power estimate information

Mar	6837	221	8706	281
Apr	7169	239	9511	317
May	7859	254	10988	354
Jun	7999	267	11699	390
Jul	8367	270	12097	390
Aug	8090	261	11043	356
Sep	7196	240	9383	313
Oct	6474	209	8284	267
Nov	4666	156	5888	196
Dec	4259	137	5416	175
Yearly average	6547	215	8764	288
Total yearly production (kWh)		78570		105172