

Photovoltaics IBC-180M
 Number of modules 50
 Total nominal power 9 kW
 Orientation 0 °
 Tilt angle 45 °

Name of the company

Example
 simon geisshuesler
 Stadthausstrasse 115
 8640 winterthur
 001 (697) 346 23 46

Location

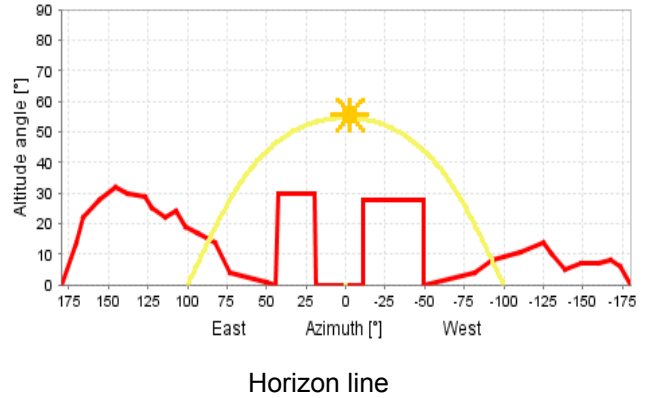
USA
 NY Albany
 Longitude: -73.8°
 Latitude: 42.75°
 Elevation: 200 ft

Overview

Max annual energy savings	9593 kWh: IBC-180M
Annual reduction in CO2 emissions	11344.3 pound : [Electricity] IBC-180M
End energy to the system (fuel and electricity)	-9593 kWh
Energy consumption (Quse)	0 kWh

Overview photovoltaics

Total gross area	705 ft²
Energy production DC	11414 kWh
Energy production AC	9593 kWh
Total nominal power	9 kW
Performance ratio	75.5 %
Specific energy production	1065.9 kWh/kWp/a



Meteorological data

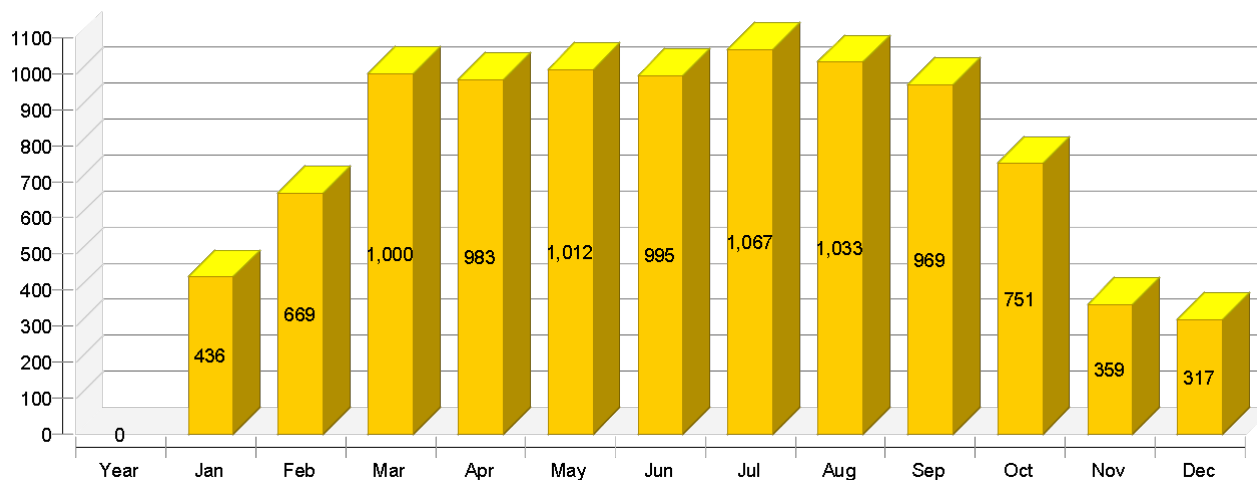
Outdoor temperature	48.8 °F
Global irradiance	14.8 MWh/ft ²
Diffuse irradiance	6.79 MWh/ft ²

System overview

Photovoltaics	IBC-180M	
Manufacturer		IBC Solar AG
Data Source		Enecolo
Number of modules		50
Total nominal power	kW	9
Total gross area	ft ²	705.09
Tilt angle	°	45
Orientation	°	0
Inverter		DMI 350/22
Manufacturer		Dorfmüller Solaranlagen GmbH
Number of strings per inverter		2
Number of inverters		25
Energy production DC	kWh	11414
Energy production AC	kWh	9593
Specific energy production	kWh/kWp/a	1065.9

Yield Photovoltaics AC [Qinv]

kWh



Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Yield Photovoltaics AC [Qinv]

kWh	9593	436	669	1000	983	1012	995	1067	1033	969	751	359	317
-----	------	-----	-----	------	-----	------	-----	------	------	-----	-----	-----	-----

Radiation onto module area [Esol]

kWh	92464	3966	6098	9225	9357	9847	9868	10658	10352	9541	7197	3399	2954
-----	-------	------	------	------	------	------	------	-------	-------	------	------	------	------

Yield Photovoltaics DC [Qpvf]

kWh	11414	521	796	1190	1172	1203	1181	1265	1229	1155	894	428	380
-----	-------	-----	-----	------	------	------	------	------	------	------	-----	-----	-----