



e.g., "Ispra, Italy" or "45.256N, 16.9589E"

Search

cursor position:
45.811, 20.693
selected position:
46.257, 20.138



Performance of Grid-connected PV

NOTE: before using these calculations for anything serious, you should read

PVGIS estimates of solar electricity generation

Location: 46°15'25" North, 20°8'16" East, Elevation: 79 m a.s.l.

Solar radiation database used: PVGIS-classic

Nominal power of the PV system: 21.0 kW (crystalline silicon)

Estimated losses due to temperature: 9.0% (using local ambient temperature)

Estimated loss due to angular reflectance effects: 2.8%

Other losses (cables, inverter etc.): 2.0%

Combined PV system losses: 13.3%

Fixed system: inclination=35°, orientation=-1°

Month	E_d	E_m	H_d	H_m
Jan	34.60	1070	1.72	53.4
Feb	53.00	1480	2.69	75.4
Mar	71.20	2210	3.76	116
Apr	86.60	2600	4.75	143
May	95.50	2960	5.41	168
Jun	97.40	2920	5.60	168
Jul	103.00	3190	5.94	184
Aug	100.00	3100	5.75	178
Sep	87.70	2630	4.86	146
Oct	69.80	2160	3.76	116
Nov	39.60	1190	2.04	61.1
Dec	28.00	867	1.39	43.2
Yearly average	72.3	2200	3.98	121
Total for year		26400		1450