

Monthly Solar Irradiation

PVGIS Estimates of long-term monthly averages

Location: 37°5'19" North, 7°51'28" West, Elevation: 107 m a.s.l.,

Solar radiation database used: PVGIS-classic

Optimal inclination angle is: 33 degrees

Annual irradiation deficit due to shadowing (horizontal): 0.0 %

Month	H _h	H(30)	I _{opt}	T _D	T _{24h}
Jan	2560	4100	62	12,4	11.6
Feb	3090	4240	52	13,5	12.5
Mar	4670	5690	41	16,2	14.8
Apr	5580	5920	24	18,8	16.2
May	6900	6670	12	20,8	18.8
Jun	7230	6670	3	24,6	22.4
Jul	7540	7090	6	26,4	24.3
Aug	6790	6960	19	6,7	24.4
Sep	5390	6280	35	23,8	22.1
Oct	4050	5470	50	19,4	19.4
Nov	2600	3910	59	16	15.1
Dec	2130	3450	63	13,2	12.5
Year	4890	5550	33	17,7	17.9

H_h: Irradiation on horizontal plane (Wh/m²/day)

H(30): Irradiation on plane at angle: 30deg. (Wh/m²/day)

I_{opt}: Optimal inclination (deg.)

T_D: Average daytime temperature (°C)

T_{24h}: 24 hour average of temperature (°C)