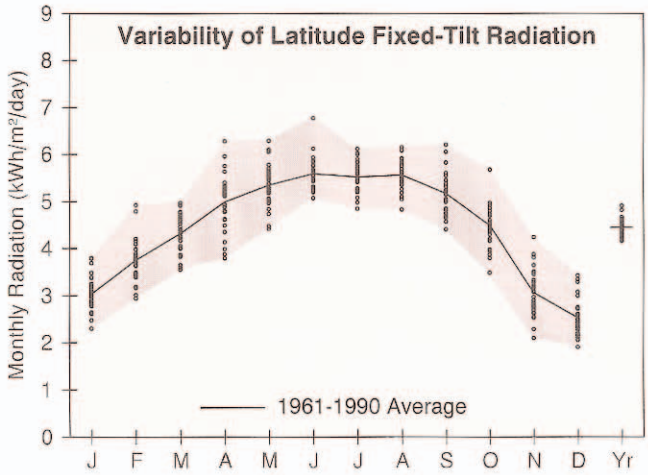
Covington, KY

WBAN NO. 93814

LATITUDE: 39.07° N
LONGITUDE: 84.67° W
ELEVATION: 271 meters
MEAN PRESSURE: 986 millibars

STATION TYPE: Secondary



Solar Radiation for Flat-Plate Collectors Facing South at a Fixed Tilt (kWh/m²/day), Uncertainty ±9%

Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	1.9	2.7	3.6	4.8	5.7	6.2	6.0	5.5	4.5	3.3	2.1	1.6	4.0
	Min/Max	1.6/2.3	2.3/3.3	3.1/4.1	3.8/5.8	4.8/6.6	5.6/7.6	5.3/6.6	4.9/6.0	4.0/5.2	2.8/4.0	1.7/2.5	1.4/1.9	3.8/4.4
Latitude -15	Average	2.7	3.5	4.2	5.1	5.7	6.1	5.9	5.8	5.1	4.2	2.8	2.3	4.5
	Min/Max	2.1/3.3	2.8/4.4	3.5/4.8	3.9/6.4	4.7/6.7	5.5/7.4	5.2/6.6	5.1/6.4	4.4/6.1	3.3/5.3	2.0/3.8	1.8/3.0	4.2/4.9
Latitude	Average	3.0	3.7	4.3	5.0	5.4	5.6	5.5	5.6	5.2	4.5	3.1	2.5	4.5
	Min/Max	2.3/3.8	2.9/4.9	3.5/5.0	3.8/6.3	4.4/6.3	5.1/6.8	4.8/6.1	4.8/6.2	4.4/6.2	3.5/5.7	2.1/4.2	1.9/3.4	4.2/4.9
Latitude +15	Average	3.2	3.8	4.2	4.6	4.8	4.9	4.8	5.1	4.9	4.5	3.2	2.7	4.2
	Min/Max	2.4/4.1	2.9/5.2	3.4/4.9	3.5/5.8	3.9/5.6	4.4/5.8	4.3/5.3	4.4/5.6	4.2/6.0	3.5/5.8	2.1/4.5	2.0/3.7	3.9/4.7
90	Average	2.9	3.3	3.1	2.9	2.6	2.4	2.5	3.0	3.4	3.6	2.7	2.4	2.9
	Min/Max	2.0/3.9	2.5/4.8	2.5/3.6	2.2/3.6	2.2/2.9	2.3/2.7	2.3/2.7	2.6/3.3	2.8/4.1	2.7/4.6	1.7/4.0	1.7/3.4	2.7/3.2

Solar Radiation for 1-Axis Tracking Flat-Plate Collectors with a North-South Axis (kWh/m²/day), Uncertainty ±9%

Axis Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	2.6	3.6	4.7	6.1	7.2	7.9	7.7	7.2	6.0	4.5	2.7	2.1	5.2
	Min/Max	2.0/3.3	2.8/4.7	3.8/5.6	4.5/8.0	5.7/8.7	7.1/10.2	6.5/8.8	6.1/8.1	5.1/7.3	3.5/5.7	1.9/3.8	1.6/2.8	4.8/5.9
Latitude -15	Average	3.2	4.2	5.1	6.4	7.3	7.9	7.7	7.5	6.5	5.2	3.3	2.6	5.6
	Min/Max	2.4/4.1	3.1/5.6	4.1/6.2	4.6/8.5	5.8/8.9	7.0/10.2	6.5/8.8	6.3/8.4	5.4/8.0	3.9/6.7	2.1/4.7	1.9/3.6	5.2/6.4
Latitude	Average	3.5	4.4	5.2	6.4	7.1	7.6	7.4	7.3	6.5	5.4	3.5	2.8	5.6
	Min/Max	2.5/4.5	3.2/5.9	4.2/6.3	4.5/8.4	5.5/8.6	6.7/9.8	6.2/8.5	6.2/8.3	5.4/8.1	4.0/7.0	2.2/5.1	2.0/3.9	5.2/6.4
Latitude +15	Average	3.6	4.5	5.1	6.1	6.7	7.1	7.0	7.0	6.4	5.5	3.6	2.9	5.4
	Min/Max	2.6/4.7	3.3/6.1	4.1/6.2	4.3/8.1	5.2/8.1	6.3/9.1	5.8/8.0	5.8/7.9	5.2/8.0	4.0/7.1	2.3/5.3	2.1/4.2	5.0/6.2

Solar Radiation for 2-Axis Tracking Flat-Plate Collectors (kWh/m²/day), Uncertainty ±9%

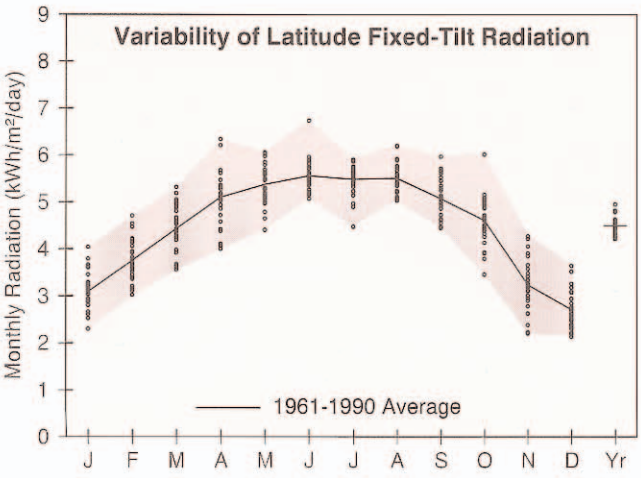
Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
2-Axis	Average	3.6	4.5	5.2	6.5	7.4	8.1	7.9	7.5	6.6	5.5	3.6	3.0	5.8
	Min/Max	2.6/4.7	3.3/6.1	4.2/6.3	4.6/8.5	5.8/9.0	7.2/10.4	6.6/8.9	6.3/8.5	5.4/8.1	4.1/7.1	2.3/5.3	2.1/4.2	5.3/6.6

Direct Beam Solar Radiation for Concentrating Collectors (kWh/m²/day), Uncertainty ±8%

Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
1-Axis, E-W Horiz Axis	Average	1.9	2.2	2.3	2.8	3.2	3.6	3.5	3.3	3.1	2.9	1.9	1.6	2.7
	Min/Max	1.2/2.8	1.2/3.4	1.5/3.1	1.3/4.3	2.0/4.6	2.9/5.7	2.5/4.4	2.5/4.3	2.1/4.3	1.8/4.1	0.8/3.2	0.9/2.6	2.3/3.4
1-Axis, N-S Horiz Axis	Average	1.4	2.0	2.6	3.6	4.3	4.8	4.6	4.4	3.7	2.9	1.5	1.1	3.1
	Min/Max	0.9/2.1	1.0/3.2	1.6/3.5	1.7/5.6	2.8/6.0	3.9/7.4	3.3/5.8	3.3/5.7	2.6/5.1	1.8/4.1	0.6/2.6	0.6/1.8	2.7/3.9
1-Axis, N-S Tilt=Latitude	Average	2.1	2.6	3.0	3.8	4.2	4.5	4.4	4.5	4.2	3.6	2.1	1.7	3.4
	Min/Max	1.3/3.1	1.4/4.2	2.0/4.1	1.8/5.9	2.7/5.9	3.6/7.0	3.1/5.6	3.3/5.7	2.9/5.8	2.3/5.1	0.9/3.7	0.9/2.8	2.9/4.3
2-Axis	Average	2.2	2.7	3.1	3.8	4.4	4.9	4.7	4.6	4.2	3.7	2.2	1.8	3.5
	Min/Max	1.4/3.3	1.4/4.3	2.0/4.1	1.8/6.0	2.9/6.2	4.0/7.6	3.3/6.0	3.4/5.9	2.9/5.8	2.3/5.2	1.0/3.9	1.0/3.0	3.0/4.5

Average Climatic Conditions

Element	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Temperature (°C)	-2.2	-0.1	6.1	11.8	17.2	21.7	23.9	23.1	19.6	12.8	6.8	0.8	11.8
Daily Minimum Temp	-6.9	-5.2	0.6	5.7	11.0	15.6	18.2	17.2	13.7	6.8	1.8	-3.7	6.2
Daily Maximum Temp	2.6	4.9	11.7	17.9	23.3	27.8	29.7	28.9	25.5	18.9	11.8	5.3	17.3
Record Minimum Temp	-31.7	-23.3	-23.3	-7.2	-2.8	5.0	8.9	6.7	1.7	-8.3	-16.7	-28.9	-31.7
Record Maximum Temp	20.0	22.8	28.3	31.1	32.8	38.3	38.9	38.3	36.1	30.6	26.7	23.9	38.9
HDD, Base 18.3°C	636	517	379	197	84	6	0	0	28	182	345	543	2916
CDD, Base 18.3°C	0	0	0	0	48	106	174	148	67	11	0	0	553
Relative Humidity (%)	72	70	67	63	67	69	72	72	73	69	71	74	70
Wind Speed (m/s)	4.7	4.5	4.9	4.6	3.8	3.5	3.1	3.1	3.2	3.6	4.2	4.5	4.0



Lexington, KY

WBAN NO. 93820

LATITUDE: 38.03° N
LONGITUDE: 84.60° W
ELEVATION: 301 meters
MEAN PRESSURE: 982 millibars

STATION TYPE: Secondary

Solar Radiation for Flat-Plate Collectors Facing South at a Fixed Tilt (kWh/m²/day), Uncertainty ±9%

Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	2.0	2.8	3.7	4.9	5.7	6.2	6.0	5.5	4.4	3.4	2.2	1.7	4.1
	Min/Max	1.7/2.3	2.5/3.2	3.2/4.4	4.0/5.9	4.7/6.4	5.6/7.5	4.9/6.4	5.0/6.1	4.0/5.1	2.8/4.2	1.8/2.6	1.5/2.1	3.8/4.4
Latitude -15	Average	2.8	3.5	4.3	5.2	5.7	6.0	5.9	5.7	5.0	4.3	2.9	2.4	4.5
	Min/Max	2.1/3.5	2.9/4.3	3.5/5.2	4.1/6.4	4.7/6.5	5.5/7.4	4.8/6.4	5.2/6.4	4.4/5.8	3.3/5.6	2.1/3.8	2.0/3.1	4.2/4.9
Latitude	Average	3.1	3.8	4.4	5.1	5.4	5.6	5.5	5.5	5.1	4.6	3.2	2.7	4.5
	Min/Max	2.3/4.0	3.0/4.7	3.6/5.3	4.0/6.3	4.4/6.1	5.1/6.7	4.5/5.9	5.0/6.2	4.4/6.0	3.5/6.0	2.2/4.3	2.1/3.6	4.2/4.9
Latitude +15	Average	3.3	3.8	4.3	4.7	4.8	4.8	4.8	5.0	4.8	4.6	3.4	2.9	4.3
	Min/Max	2.3/4.3	3.0/4.9	3.4/5.2	3.7/5.9	3.9/5.4	4.4/5.8	4.0/5.2	4.6/5.6	4.2/5.8	3.4/6.1	2.2/4.5	2.2/3.9	4.0/4.7
90	Average	2.9	3.2	3.1	2.9	2.5	2.4	2.4	2.9	3.3	3.7	2.9	2.6	2.9
	Min/Max	2.0/4.1	2.5/4.3	2.5/3.8	2.3/3.6	2.2/2.8	2.3/2.6	2.1/2.6	2.6/3.2	2.8/3.9	2.6/4.9	1.8/4.0	1.9/3.7	2.7/3.2

Solar Radiation for 1-Axis Tracking Flat-Plate Collectors with a North-South Axis (kWh/m²/day), Uncertainty ±9%

Axis Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	2.7	3.7	4.8	6.3	7.3	7.8	7.6	7.1	5.9	4.7	2.9	2.3	5.3
	Min/Max	2.1/3.5	2.9/4.7	3.8/6.1	4.6/8.2	5.6/8.7	6.8/10.2	5.9/8.4	6.4/8.3	5.1/7.2	3.4/6.4	2.0/3.9	1.9/3.0	4.9/6.0
Latitude -15	Average	3.3	4.2	5.3	6.6	7.3	7.8	7.6	7.4	6.4	5.4	3.5	2.8	5.6
	Min/Max	2.4/4.4	3.2/5.4	4.1/6.7	4.8/8.6	5.6/8.8	6.8/10.1	5.8/8.5	6.6/8.6	5.4/7.8	3.8/7.3	2.3/4.7	2.2/3.8	5.2/6.4
Latitude	Average	3.5	4.4	5.4	6.5	7.1	7.5	7.3	7.2	6.4	5.6	3.7	3.1	5.7
	Min/Max	2.5/4.8	3.3/5.8	4.1/6.8	4.7/8.6	5.4/8.5	6.5/9.7	5.6/8.1	6.4/8.5	5.4/7.9	4.0/7.7	2.4/5.1	2.4/4.2	5.2/6.4
Latitude +15	Average	3.7	4.5	5.3	6.2	6.7	7.0	6.9	6.9	6.2	5.6	3.8	3.2	5.5
	Min/Max	2.6/5.1	3.3/5.9	4.0/6.7	4.5/8.3	5.0/8.0	6.0/9.1	5.2/7.6	6.1/8.1	5.2/7.8	3.9/7.8	2.4/5.3	2.4/4.4	5.1/6.3

Solar Radiation for 2-Axis Tracking Flat-Plate Collectors (kWh/m²/day), Uncertainty ±9%

Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
2-Axis	Average	3.7	4.5	5.4	6.6	7.4	8.0	7.7	7.4	6.4	5.7	3.9	3.2	5.8
	Min/Max	2.6/5.1	3.4/5.9	4.1/6.8	4.8/8.7	5.7/8.9	6.9/10.4	5.9/8.6	6.6/8.7	5.4/7.9	4.0/7.8	2.4/5.3	2.5/4.5	5.4/6.6

Direct Beam Solar Radiation for Concentrating Collectors (kWh/m²/day), Uncertainty ±8%

Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
1-Axis, E-W Horiz Axis	Average	1.9	2.2	2.4	2.9	3.2	3.5	3.4	3.3	2.9	3.0	2.0	1.7	2.7
	Min/Max	1.1/3.2	1.3/3.3	1.4/3.5	1.4/4.4	2.0/4.3	2.7/5.6	2.0/4.1	2.7/4.3	2.0/3.9	1.7/4.6	0.9/3.2	1.0/2.8	2.4/3.4
1-Axis, N-S Horiz Axis	Average	1.5	2.0	2.8	3.8	4.3	4.7	4.5	4.3	3.6	3.0	1.7	1.2	3.1
	Min/Max	0.9/2.4	1.2/3.1	1.6/4.2	1.8/5.8	2.7/5.9	3.5/7.4	2.7/5.4	3.5/5.7	2.5/4.9	1.6/4.8	0.7/2.7	0.8/2.0	2.7/3.9
1-Axis, N-S Tilt=Latitude	Average	2.1	2.6	3.2	3.9	4.2	4.4	4.2	4.4	4.0	3.8	2.3	1.8	3.4
	Min/Max	1.2/3.5	1.5/4.0	1.9/4.8	1.9/6.1	2.6/5.7	3.3/6.9	2.6/5.2	3.5/5.8	2.8/5.5	2.0/5.9	1.0/3.7	1.1/3.0	3.0/4.3
2-Axis	Average	2.3	2.7	3.2	4.0	4.4	4.7	4.5	4.5	4.0	3.8	2.4	2.0	3.6
	Min/Max	1.3/3.8	1.6/4.2	1.9/4.8	2.0/6.2	2.7/6.0	3.6/7.5	2.8/5.6	3.6/6.0	2.8/5.5	2.1/6.0	1.1/3.9	1.2/3.3	3.1/4.4

Average Climatic Conditions

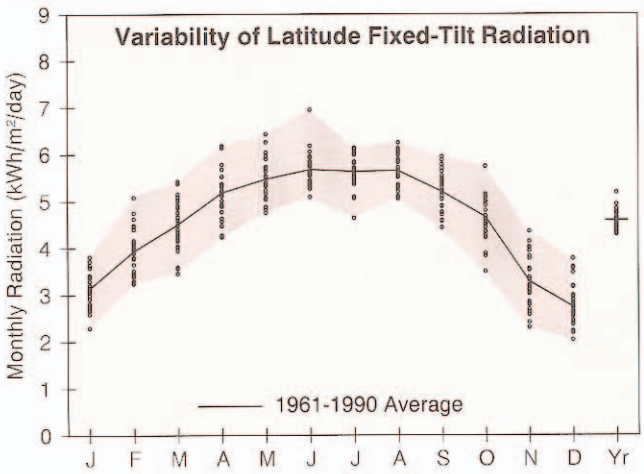
Element	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Temperature (°C)	-0.7	1.4	7.4	12.7	17.8	22.3	24.3	23.7	20.1	13.7	7.8	2.2	12.7
Daily Minimum Temp	-5.3	-3.7	1.8	6.8	11.9	16.4	18.7	18.0	14.4	7.8	2.8	-2.4	7.3
Daily Maximum Temp	3.9	6.4	12.9	18.6	23.5	28.2	29.9	29.4	25.7	19.6	12.7	6.8	18.2
Record Minimum Temp	-29.4	-26.1	-18.9	-7.8	-3.3	3.9	8.3	5.6	1.7	-6.7	-19.4	-28.3	-29.4
Record Maximum Temp	24.4	24.4	28.3	31.1	33.3	38.3	39.4	39.4	39.4	32.8	28.3	23.9	39.4
HDD, Base 18.3°C	589	474	339	173	75	3	0	0	26	159	317	501	2657
CDD, Base 18.3°C	0	0	0	3	58	123	186	167	79	17	0	0	633
Relative Humidity (%)	73	71	66	63	68	69	72	73	73	69	72	74	70
Wind Speed (m/s)	4.4	4.4	4.7	4.4	3.7	3.4	3.0	3.0	3.1	3.4	4.1	4.4	3.8

Louisville, KY

WBAN NO. 93821

LATITUDE: 38.18° N
LONGITUDE: 85.73° W
ELEVATION: 149 meters
MEAN PRESSURE: 1000 millibars

STATION TYPE: Secondary



Solar Radiation for Flat-Plate Collectors Facing South at a Fixed Tilt (kWh/m²/day), Uncertainty ±9%

Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	2.0	2.8	3.8	5.0	5.8	6.3	6.1	5.6	4.5	3.5	2.2	1.7	4.1
	Min/Max	1.7/2.3	2.5/3.4	3.1/4.4	4.2/5.8	5.1/6.8	5.7/7.8	5.1/6.7	5.1/6.1	4.0/5.1	2.8/4.1	1.8/2.7	1.5/2.1	3.9/4.6
Latitude -15	Average	2.8	3.6	4.4	5.3	5.8	6.2	6.0	5.9	5.1	4.4	3.0	2.4	4.6
	Min/Max	2.1/3.3	3.1/4.6	3.4/5.2	4.4/6.3	5.1/6.8	5.5/7.6	5.0/6.6	5.3/6.5	4.4/5.8	3.4/5.3	2.2/3.8	1.9/3.3	4.3/5.1
Latitude	Average	3.1	3.9	4.5	5.2	5.5	5.7	5.6	5.7	5.2	4.7	3.3	2.7	4.6
	Min/Max	2.3/3.8	3.2/5.1	3.5/5.4	4.2/6.2	4.8/6.4	5.1/6.9	4.6/6.1	5.1/6.3	4.4/5.9	3.5/5.7	2.3/4.3	2.0/3.8	4.3/5.2
Latitude +15	Average	3.3	4.0	4.4	4.8	4.9	4.9	4.9	5.1	5.0	4.7	3.4	2.9	4.4
	Min/Max	2.3/4.1	3.3/5.3	3.3/5.3	3.9/5.8	4.2/5.7	4.4/6.0	4.1/5.4	4.6/5.7	4.2/5.7	3.5/5.8	2.3/4.6	2.1/4.1	4.1/4.9
90	Average	3.0	3.4	3.2	3.0	2.6	2.4	2.5	2.9	3.4	3.7	2.9	2.6	3.0
	Min/Max	2.0/3.8	2.7/4.9	2.4/3.9	2.4/3.5	2.3/2.9	2.3/2.7	2.2/2.7	2.7/3.2	2.8/3.9	2.7/4.6	1.9/4.1	1.8/3.8	2.8/3.3

Solar Radiation for 1-Axis Tracking Flat-Plate Collectors with a North-South Axis (kWh/m²/day), Uncertainty ±9%

Axis Tilt (°)		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
0	Average	2.7	3.8	4.9	6.4	7.4	8.0	7.8	7.3	6.0	4.7	2.9	2.3	5.4
	Min/Max	2.0/3.3	3.1/4.9	3.7/6.1	5.0/8.0	6.2/9.2	7.0/10.5	6.2/8.9	6.5/8.2	5.0/7.0	3.5/5.9	2.1/3.8	1.8/3.1	5.0/6.2
Latitude -15	Average	3.3	4.4	5.4	6.7	7.5	8.0	7.8	7.5	6.5	5.4	3.5	2.8	5.7
	Min/Max	2.4/4.1	3.5/5.8	4.0/6.7	5.2/8.4	6.3/9.4	7.0/10.4	6.2/8.9	6.7/8.5	5.3/7.7	4.0/6.8	2.4/4.7	2.1/3.9	5.3/6.7
Latitude	Average	3.6	4.6	5.5	6.6	7.2	7.7	7.5	7.4	6.6	5.7	3.8	3.1	5.8
	Min/Max	2.5/4.5	3.7/6.2	4.0/6.9	5.1/8.4	6.1/9.1	6.7/10.0	6.0/8.6	6.5/8.4	5.3/7.8	4.1/7.2	2.5/5.2	2.2/4.3	5.3/6.7
Latitude +15	Average	3.7	4.7	5.4	6.3	6.8	7.2	7.1	7.0	6.4	5.7	3.9	3.2	5.6
	Min/Max	2.5/4.7	3.7/6.4	3.9/6.8	4.8/8.1	5.7/8.6	6.2/9.4	5.6/8.1	6.2/8.0	5.2/7.6	4.0/7.2	2.5/5.3	2.3/4.6	5.2/6.6

Solar Radiation for 2-Axis Tracking Flat-Plate Collectors (kWh/m²/day), Uncertainty ±9%

Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
2-Axis	Average	3.8	4.7	5.5	6.7	7.6	8.2	8.0	7.6	6.6	5.7	3.9	3.2	6.0
	Min/Max	2.5/4.7	3.7/6.4	4.0/6.9	5.2/8.5	6.3/9.5	7.1/10.7	6.3/9.1	6.7/8.6	5.4/7.8	4.1/7.3	2.5/5.4	2.3/4.7	5.5/7.0

Direct Beam Solar Radiation for Concentrating Collectors (kWh/m²/day), Uncertainty ±8%

Tracker		Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
1-Axis, E-W Horiz Axis	Average	2.0	2.4	2.5	3.0	3.4	3.7	3.5	3.4	3.1	3.0	2.1	1.7	2.8
	Min/Max	1.0/2.8	1.5/3.3	1.4/3.6	1.6/4.3	2.3/4.9	2.7/5.9	2.3/4.5	2.7/4.3	2.2/4.0	1.7/4.2	1.0/3.3	1.0/3.0	2.4/3.7
1-Axis, N-S Horiz Axis	Average	1.5	2.2	2.8	3.8	4.4	4.9	4.7	4.5	3.7	3.0	1.7	1.2	3.2
	Min/Max	0.8/2.1	1.4/3.1	1.6/4.2	2.1/5.6	3.0/6.5	3.6/7.8	3.1/5.9	3.6/5.5	2.6/4.9	1.7/4.3	0.8/2.7	0.7/2.0	2.8/4.2
1-Axis, N-S Tilt=Latitude	Average	2.2	2.9	3.3	4.0	4.3	4.6	4.4	4.5	4.1	3.8	2.3	1.9	3.5
	Min/Max	1.1/3.1	1.9/4.1	1.9/4.8	2.3/5.9	2.9/6.3	3.4/7.3	2.9/5.7	3.6/5.6	2.9/5.4	2.1/5.3	1.1/3.8	1.1/3.1	3.0/4.6
2-Axis	Average	2.3	2.9	3.3	4.1	4.6	4.9	4.8	4.7	4.2	3.8	2.5	2.0	3.7
	Min/Max	1.2/3.3	1.9/4.2	1.9/4.8	2.3/6.0	3.1/6.7	3.7/7.9	3.2/6.1	3.7/5.8	2.9/5.4	2.2/5.4	1.2/4.0	1.2/3.4	3.2/4.8

Average Climatic Conditions

Element	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Temperature (°C)	-0.2	2.1	7.9	13.5	18.5	22.9	25.1	24.3	20.8	14.2	8.4	2.7	13.4
Daily Minimum Temp	-4.9	-3.1	2.3	7.4	12.6	17.2	19.6	18.8	14.8	7.7	2.9	-1.9	7.8
Daily Maximum Temp	4.6	7.1	13.5	19.6	24.4	28.6	30.6	29.8	26.8	20.7	13.8	7.3	18.9
Record Minimum Temp	-28.9	-28.3	-18.3	-5.6	-0.6	5.6	10.0	7.8	0.6	-5.0	-18.3	-26.1	-28.9
Record Maximum Temp	25.0	25.0	30.0	32.8	35.0	38.9	40.6	38.3	40.0	33.3	28.9	24.4	40.6
HDD, Base 18.3°C	573	456	322	152	58	3	0	0	20	141	298	484	2508
CDD, Base 18.3°C	0	0	0	7	64	140	210	186	95	14	0	0	716
Relative Humidity (%)	69	68	64	61	67	69	71	72	73	70	69	70	69
Wind Speed (m/s)	4.2	4.2	4.5	4.3	3.6	3.4	3.0	3.0	3.0	3.3	3.9	4.2	3.7