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The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

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The energy output range is based on analysis of 30 years of historical weather data, and is intended to provide an indication of the possible interannual variability in generation for a fixed (open rack) PV system at this location.

# RESULTS

# 8,015 kWh/Year\*

System output may range from 7,563 to 8,394 kWh per year near this location.

Month	Solar Radiation ( kWh / m <sup>2</sup> / day )	AC Energy ( kWh )
January	2.41	398
February	3.81	555
March	4.60	716
April	5.08	738
May	6.00	876
June	6.43	881
July	6.49	914
August	6.09	862
September	5.11	714
October	3.68	559
November	2.82	432
December	2.30	371
<b>Annual</b>	<b>4.57</b>	<b>8,016</b>

## Location and Station Identification

Requested Location	53208, USA	
Weather Data Source	Lat, Lng: 43.05, -87.98	0.9 mi
Latitude	43.05° N	
Longitude	87.98° W	

## PV System Specifications

DC System Size	6 kW
Module Type	Standard
Array Type	Fixed (open rack)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	From weather file
Bifacial	No (0)

Monthly Irradiance Loss	Jan	Feb	Mar	Apr	May	June
	0%	0%	0%	0%	0%	0%
Monthly Irradiance Loss	July	Aug	Sept	Oct	Nov	Dec
	0%	0%	0%	0%	0%	0%

**Performance Metrics**

<b>DC Capacity Factor</b>	<b>15.3%</b>
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