



# RESULTS

# 3,751 kWh/Year\*

*System output may range from 3,579 to 3,877 kWh per year near this location.*

Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at //sam.nrel.gov) that allow for more precise and complex modeling of PV systems.

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.

Month	Solar Radiation ( kWh / m <sup>2</sup> / day )	AC Energy ( kWh )
January	1.48	129
February	2.46	196
March	3.22	280
April	5.04	412
May	5.21	438
June	5.61	445
July	6.30	509
August	6.00	488
September	4.68	375
October	2.70	230
November	1.51	129
December	1.34	118
<b>Annual</b>	<b>3.80</b>	<b>3,749</b>

## Location and Station Identification

Requested Location	5330 butterworth rd
Weather Data Source	Lat, Lng: 47.57, -122.22 1.1 mi
Latitude	47.57° N
Longitude	122.22° W

## PV System Specifications

DC System Size	3.6 kW
Module Type	Premium
Array Type	Fixed (roof mount)
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%

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**Performance Metrics**

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<b>DC Capacity Factor</b>	<b>11.9%</b>
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