



# RESULTS

# 27,440 kWh/Year\*

*System output may range from 26,288 to 28,211 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 <https://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 for nearby, 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 )	Value ( \$ )
January	2.66	1,561	265
February	3.76	1,990	338
March	4.49	2,571	437
April	5.16	2,728	464
May	5.41	2,925	497
June	5.54	2,823	480
July	6.11	3,162	537
August	5.55	2,829	481
September	4.85	2,431	413
October	3.36	1,833	312
November	2.46	1,340	228
December	2.14	1,248	212
<b>Annual</b>	<b>4.29</b>	<b>27,441</b>	<b>\$ 4,664</b>

## Location and Station Identification

Requested Location	105 eden street, bar harbor, me
Weather Data Source	Lat, Lon: 44.41, -68.22 1.2 mi
Latitude	44.41° N
Longitude	68.22° W

## PV System Specifications (Residential)

DC System Size	21.6 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	25°
Array Azimuth	135°
System Losses	11.42%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

## Economics

Average Retail Electricity Rate	0.170 \$/kWh
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## Performance Metrics

Capacity Factor	14.5%
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