



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 <http://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.

## RESULTS

# 134,582 kWh/Year\*

System output may range from 126,736 to 138,848kWh per year near this location.

Month	Solar Radiation ( kWh / m <sup>2</sup> / day )	AC Energy ( kWh )	Energy Value ( \$ )
January	4.04	7,916	807
February	4.94	8,669	884
March	5.88	11,403	1,163
April	7.20	13,141	1,340
May	8.02	14,817	1,511
June	8.01	14,061	1,434
July	7.84	14,186	1,447
August	7.24	13,177	1,344
September	6.31	11,195	1,142
October	5.51	10,369	1,058
November	4.42	8,222	839
December	3.80	7,428	758
<b>Annual</b>	<b>6.10</b>	<b>134,584</b>	<b>\$ 13,727</b>

### User Comments

COA FS # 21

### Location and Station Identification

Requested Location	87114, USA
Weather Data Source	(TMY2) ALBUQUERQUE, NM 11 mi
Latitude	35.05° N
Longitude	106.62° W

### PV System Specifications (Commercial)

DC System Size	73.44 kW
Module Type	Premium
Array Type	Fixed (open rack)
Array Tilt	12°
Array Azimuth	165°
System Losses	11.5%
Inverter Efficiency	98%
DC to AC Size Ratio	1.1

### Economics

Average Cost of Electricity Purchased from Utility	0.10 \$/kWh
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**Performance Metrics**

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<b>Capacity Factor</b>	<b>20.9%</b>
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