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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. For example, PV modules with better performance are not differentiated within PVWatts. For modules with providing 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

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.

RFSIIITS

1,302 kWh/Year*

System output may range from 1,251 to 1,332 kWh per year near this location.

Month	Solar Radiation	AC Energy
	(kWh / m ² / day)	(kWh)
January	4.35	86
February	5.15	91
March	5.91	113
April	6.67	124
May	6.79	128
June	6.72	121
July	6.72	124
August	7.01	130
September	6.57	118
October	5.48	103
November	4.75	90
December	3.87	75
nnual	5.83	1,303

Location and Station Identification

Requested Location	34.41566374096329, -119.86088260382344	
Weather Data Source	Lat, Lng: 34.41, -119.86 0.4 mi	
Latitude	34.41° N	
Longitude	119.86° W	

PV System Specifications	
DC System Size	0.8 kW
Module Type	Standard
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)
	Jan Feb Mar Apr May June
Monthly Irradiance Loss	0% 0% 0% 0% 0%
monthly irradiance Loss	July Aug Sept Oct Nov Dec
	0% 0% 0% 0% 0%

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Performance Metrics		
DC Capacity Factor	18.6%	