



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, 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

7,604 kWh/Year*

System output may range from 7,257 to 7,756 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)
January	3.95	512
February	4.55	533
March	5.40	665
April	6.15	745
May	6.45	766
June	6.06	697
July	5.97	706
August	5.53	652
September	5.51	643
October	5.35	653
November	4.60	563
December	3.68	469
Annual	5.27	7,604

Location and Station Identification

Requested Location	416 N Johnson St, New Orleans, LA 70112, USA
Weather Data Source	Lat, Lng: 29.97, -90.06 1.2 mi
Latitude	29.97° N
Longitude	90.06° W

PV System Specifications

DC System Size	5.28 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	216°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Performance Metrics

Capacity Factor	16.4%
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