



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

5,553 kWh/Year*

System output may range from 5,300 to 5,664 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)
January	3.68	363
February	4.32	380
March	5.03	472
April	5.90	535
May	6.35	583
June	6.06	528
July	5.76	521
August	5.65	504
September	5.51	485
October	5.02	464
November	4.17	384
December	3.39	332
Annual	5.07	5,551

Location and Station Identification

Requested Location	3926 Fairmont Dr, New Orleans, LA 70122, USA
Weather Data Source	Lat, Lng: 30.01, -90.06 0.9 mi
Latitude	30.01° N
Longitude	90.06° W

PV System Specifications

DC System Size	4 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	240°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Performance Metrics

Capacity Factor	15.8%
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