



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.

RESULTS

5,356 kWh/Year*

System output may range from 5,111 to 5,463 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	4.31	384	38
February	4.82	382	37
March	5.41	455	45
April	6.10	497	49
May	6.41	529	52
June	6.12	480	47
July	5.84	475	47
August	5.93	475	47
September	5.87	466	46
October	5.56	462	45
November	4.77	397	39
December	3.99	354	35
Annual	5.43	5,356	\$ 527

Location and Station Identification

Requested Location	5310 Warrington Dr, New Orleans, LA 70122, USA
Weather Data Source	Lat, Lon: 30.01, -90.06 0.6 mi
Latitude	30.01° N
Longitude	90.06° W

PV System Specifications (Residential)

DC System Size	3.6 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	175°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Economics

Average Retail Electricity Rate	0.098 \$/kWh
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Performance Metrics

Capacity Factor	17.0%
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