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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 interanual variability in generation for a Fixed (open rack) PV system at this location.

RESULTS

9,125 kWh/Year*

Month	Solar Radiation (kWh/m²/day)	AC Energy (kWh)	Value (\$)
January	5.77	671	25
February	6.99	726	28
March	8.65	962	37
April	8.66	913	35
May	7.97	862	33
June	7.11	758	29
July	5.72	655	25
August	6.09	698	27
September	7.09	787	30
October	6.86	779	30
November	6.02	672	26
December	5.43	642	24
Annual	6.86	9,125	\$ 349

Location and Station Identification

Requested Location	Panki, Kanpur
Weather Data Source	Lat, Lon: 26.45, 80.25 2.4 mi
Latitude	26.45° N
Longitude	80.25° E

PV System Specifications (Residential)

DC System Size	5 kW
Module Type	Premium
Array Type	2-Axis Tracking
Array Tilt	26.45°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	95%
DC to AC Size Ratio	1.2
Economics	

Economics

Average Retail Electricity Rate	0.038 \$/kWh

Performance Metrics

Capacity Factor	20.8%
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