



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

14,173 kWh/Year*

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	4.73	1,076	41
February	5.68	1,141	43
March	6.52	1,371	52
April	6.71	1,348	51
May	6.27	1,276	48
June	5.50	1,118	42
July	4.74	1,026	39
August	5.23	1,157	44
September	5.76	1,213	46
October	5.77	1,262	48
November	5.09	1,101	42
December	4.68	1,084	41

Annual	5.56	14,173	\$ 537
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Location and Station Identification

Requested Location	delhi
Weather Data Source	Lat, Lon: 28.65, 77.25 1.5 mi
Latitude	28.65° N
Longitude	77.25° E

PV System Specifications *(Residential)*

DC System Size	10 kW
Module Type	Standard
Array Type	Fixed (roof mount)
Array Tilt	29°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2

Economics

Average Retail Electricity Rate	0.038 \$/kWh
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Performance Metrics

Capacity Factor	16.2%
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