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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, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.



155,052,584 kWh/Year*

System output may range from 144,338,451 to 158,479,246 kWh per year near this location.

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)
January	2.23	6,711,342
February	3.34	8,951,008
March	4.98	14,055,412
April	5.92	15,417,815
Мау	7.01	18,082,731
June	7.55	18,605,362
July	8.57	21,478,770
August	7.13	18,042,909
September	5.68	14,340,033
October	3.24	8,813,426
November	1.93	5,317,737
December	1.78	5,236,040
nnual	4.95	155,052,585

Location and Station Identification	
Requested Location	riverside road, busti, ny
Weather Data Source	Lat, Lng: 42.01, -79.26 0.6 mi
Latitude	42.01° N
Longitude	79.26° W
PV System Specifications	
DC System Size	111720 kW
Module Type	Standard
Аггау Туре	1-Axis Tracking
System Losses	14.08%
Array Tilt	0°
Array Azimuth	180°
DC to AC Size Ratio	1.241
Inverter Efficiency	96%
Ground Coverage Ratio	0.4
Albedo	From weather file
Bifacial	Yes (0.7)
	Jan Feb Mar Apr May June
Monthly Irradiance Loss	6.6% 5.8% 4.1% 1.6% 0.5% 0.5%
-	July Aug Sept Oct Nov Dec
	0.5% 0.5% 0.5% 0.5% 2.6% 5.3%

Ground Coverage Ratio	0.4
Performance Metrics	
DC Capacity Factor	15.8%