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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.

## RESULTS

# 944,658 kWh/Year\*

Month	Solar Radiation ( kWh / m <sup>2</sup> / day )	AC Energy ( kWh )
January	1.35	29,283
February	1.79	35,655
March	3.26	70,421
April	5.73	114,272
May	6.55	131,165
June	5.86	111,345
July	5.83	115,239
August	7.00	136,607
September	4.41	85,810
October	3.66	76,391
November	1.10	22,312
December	0.76	16,159
Annual	3.94	944,659

### Location and Station Identification

Requested Location	Chisinau
Weather Data Source	Lat, Lng: 47.009998, 28.860001    0.4 mi
Latitude	47.01° N
Longitude	28.86° E

### PV System Specifications

DC System Size	851.4 kW
Module Type	Thin Film
Array Type	Fixed (roof mount)
System Losses	14.08%
Array Tilt	20°
Array Azimuth	180°
DC to AC Size Ratio	1.2
Inverter Efficiency	96%
Ground Coverage Ratio	0.4%
Albedo	From weather file
Bifacial	No (0)

Monthly Irradiance Loss	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### Performance Metrics

DC Capacity Factor	12.7%
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