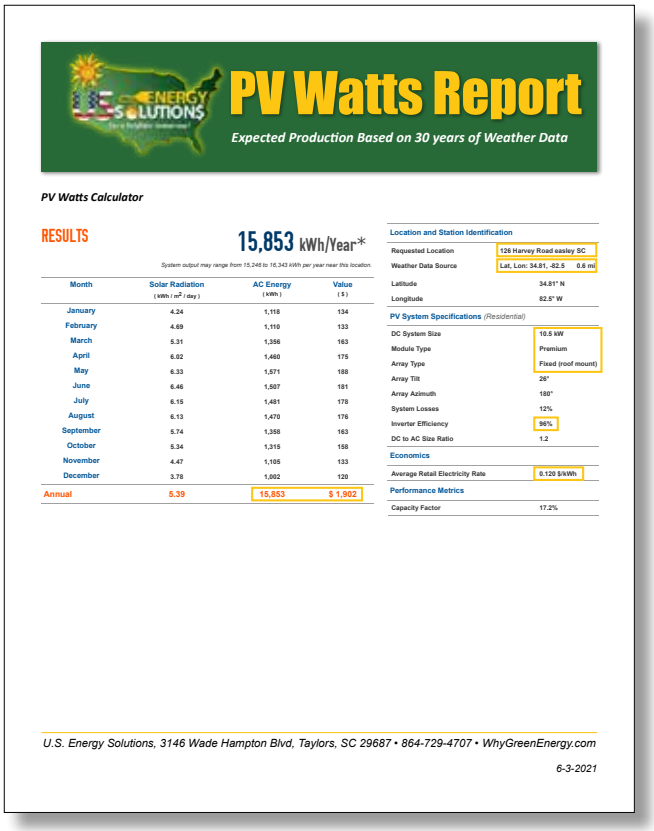
PV Watts Report

Expected Production Based on 30 years of Weather Data

Sizing a solar system for a home is complex. It requires accurate answers to the following questions:

- What has been **your average electrical consumption** for the past 12 months?
- Do you have **sufficient area exposed to the sun** to provide a 100% offset?
- What is the **typical amount of sunshine** you get at your location?



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Expected Production Based on 30 years of Weather Data

PV Watts Calculator

RESULTS

15,853 kWh/Year*

System output may range from 15,246 to 16,343 kWh per year near this location.

Month	Solar Radiation (kWh / m² / day)	AC Energy (kWh)	Value ($)
January	4.24	1,118	134
February	4.69	1,110	133
March	5.31	1,356	163
April	6.02	1,460	175
May	6.33	1,571	188
June	6.46	1,507	181
July	6.15	1,481	178
August	6.13	1,470	176
September	5.74	1,358	163
October	5.34	1,315	158
November	4.47	1,105	133
December	3.78	1,002	120
Annual	5.39	15,853	$ 1,902

Location and Station Identification	
Requested Location	126 Harvey Road easley SC
Weather Data Source	Lat, Lon: 34.81, -82.5 0.6 mi
Latitude	34.81° N
Longitude	82.5° W
PV System Specifications (Residential)	
DC System Size	10.5 kW
Module Type	Premium
Array Type	Fixed (roof mount)
Array Tilt	26°
Array Azimuth	180°
System Losses	12%
Inverter Efficiency	96%
DC to AC Size Ratio	1.2
Economics	
Average Retail Electricity Rate	0.120 $/kWh
Performance Metrics	
Capacity Factor	17.2%

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6-3-2021

The weather affects the level of solar generation possible. Sunny days generate more energy than cloudy days.

PV Watts is a government website that allows consumers to determine the amount of solar energy they can expect to be generated at their location based upon the last 30 years of weather data.

We use PV Watts as an aid in sizing your system.

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