



## PV system production confirmation - Enphase Enlighten reports

As a quick check, you can confirm that your PV system is operational by looking for any amount of power that was received back by the utility on your latest electric bill. Excess PV export to the utility is shown under the Received (REC) column. This is a good indication that your PV system is operational.

USAGE PROFILE				
		ELECTRIC	JSAG	PROF
	DATE	NET	DEL	REC
█	01/03/19	380	849	469
█	12/04/18	400	931	531
█	11/01/18	261	789	528
█	10/02/18	182	812	630
█	09/01/18	233	861	628
█	07/31/18	5	694	689
█	07/02/18	-120	619	739
█	06/04/18	-134	648	782
█	05/02/18	-280	428	708
█	04/04/18	-229	504	733
█	03/02/18	-105	500	605
█	01/31/18	-183	454	637
█	01/02/18	-6	604	610

**Note: Your Enphase Enlighten solar monitor must be connected to the internet and reporting data.**

You can get an indication of system performance by simply comparing total system production totals for the same calendar month against previous years. Production totals may still from year to year even for the same month due to seasonal weather patterns, but they should be relatively close. For example, a rainy February this year may yield relatively low energy production, while a sunny February next year may yield much higher energy production.

The chart below illustrates the seasonal changes that causes your solar PV system to produce noticeably less energy in winter months, while producing more energy in summer months. It is important to compare the same calendar month when performing a production comparison.



Note: System production totals may vary drastically if the Enphase Envoy solar monitor was not online and reporting data during the reporting dates selected. This does not necessarily mean that the system was not producing power, it just means that the production data may have been lost and not available for accurate comparison.

There are 2 versions of the Enphase Enlighten solar monitoring application. Enlighten Manager and MyEnlighten. The procedures for each version are outlined below.

## Enlighten Manager (older systems)

**Generate Reports**

Multiple Year Energy Report ← Select [Multi Year Energy Report]

This report provides up to five years energy production ending with the year specified.

Specify Year:  
2020 ← Select current year here

Submit ← Click Submit

Feedback

### Report output

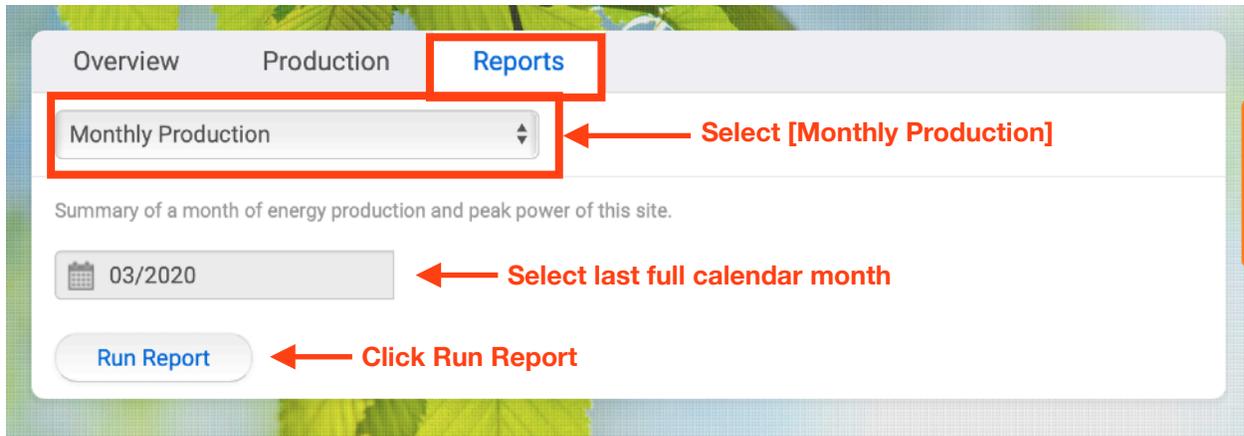
Month	2016	2017	2018	2019	2020
January	805 kWh	785 kWh	787 kWh	765 kWh	683 kWh
February	887 kWh	704 kWh	645 kWh	797 kWh	823 kWh
March	1,097 kWh	1,032 kWh	829 kWh	1,044 kWh	905 kWh
April	1,068 kWh	1,031 kWh	868 kWh	1,076 kWh	744 kWh
May	1,162 kWh	1,214 kWh	983 kWh	1,179 kWh	
June	1,112 kWh	1,144 kWh	1,143 kWh	1,103 kWh	
July	1,129 kWh	1,198 kWh	1,064 kWh	1,194 kWh	
August	1,078 kWh	1,166 kWh	968 kWh	1,154 kWh	
September	950 kWh	1,081 kWh	973 kWh	1,005 kWh	
October	876 kWh	896 kWh	856 kWh	920 kWh	
November	740 kWh	740 kWh	744 kWh	737 kWh	
December	619 kWh	643 kWh	707 kWh	661 kWh	
<b>Total</b>	<b>11,522 kWh</b>	<b>11,634 kWh</b>	<b>10,566 kWh</b>	<b>11,636 kWh</b>	<b>3,154 kWh</b>

← Compare similar month productions. Notice the variation between years due to seasonal weather. This example shows an acceptable production comparison.

# MyEnlighten (newer systems)

MyEnlighten requires the user to generate and compare separate reports of the same months over different years. As of this writing, there was no Multi Year Energy Report available.

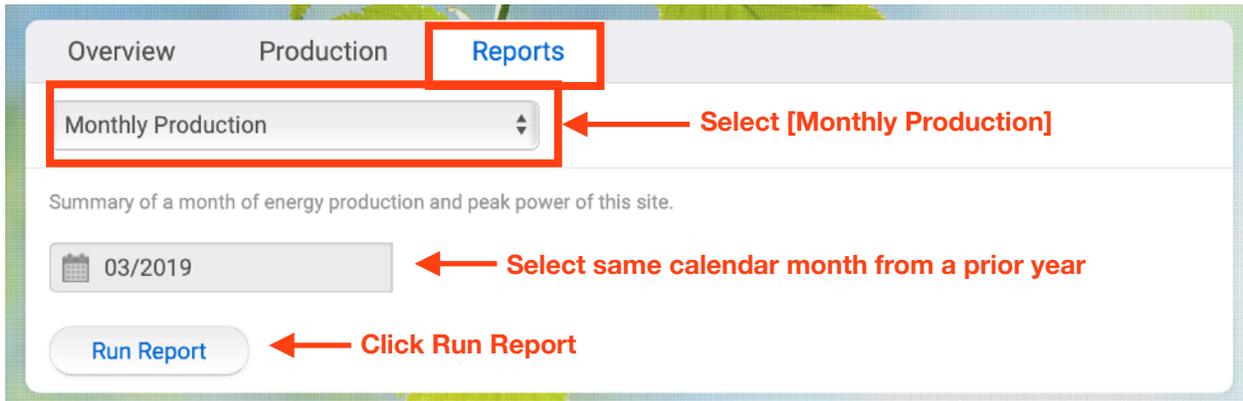
**Report #1:** Select the last full calendar month from current year. Be aware to pick a complete month for comparison. You may need to select the previous month.



Report output

Week	Peak Power	Energy Produced
03/01/2020 - 03/07/2020	6,131 W	222.72 kWh
03/08/2020 - 03/14/2020	6,102 W	221.34 kWh
03/15/2020 - 03/21/2020	6,188 W	157.95 kWh
03/22/2020 - 03/28/2020	6,263 W	224.38 kWh
03/29/2020 - 03/31/2020	6,286 W	78.47 kWh
<b>March 2020 Total:</b>		<b>904.86 kWh</b>
<b>Previous Month Total:</b>		<b>822.54 kWh</b>
<b>Year to Date:</b>		<b>2,410.02 kWh</b>
<b>Lifetime Production:</b>		<b>105,807.54 kWh</b>

**Report #2:** Select the same calendar month as the first report from a prior year.



Report output

Week	Peak Power	Energy Produced
03/01/2019 - 03/07/2019	6,089 W	220.35 kWh
03/08/2019 - 03/14/2019	5,887 W	228.25 kWh
03/15/2019 - 03/21/2019	6,074 W	265.16 kWh
03/22/2019 - 03/28/2019	6,094 W	227.16 kWh
03/29/2019 - 03/31/2019	5,964 W	103.23 kWh
<b>March 2019 Total:</b>		<b>1,044.15 kWh</b>
<b>Previous Month Total:</b>		<b>796.72 kWh</b>
<b>Year to Date:</b>		<b>2,606.14 kWh</b>
<b>Lifetime Production:</b>		<b>105,807.54 kWh</b>

Now compare the monthly production totals. Notice the variation between years due to seasonal weather. This example shows an acceptable production comparison.