

# SOLAR SYSTEM CUSTOMER PROPOSAL



PREPARED FOR:

**Hogwart**



PROJECT LOCATION:

**85C6WG86+JJ**

## CONTACT

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EasySolar APP



228765432345

# PROPOSED PV SYSTEM

## YOUR CURRENT ELECTRICITY BILL

PLN **96,000.00** /year

PLN **8,000.00** /mth

Price of 1kWh of electricity = PLN 2.00

- ▶ Predicted annual **increase** of energy price = **5.0%**
- ▶ Predicted price of 1 kWh of energy in **20 years** = **PLN 5.05**
- ▶ Your current **CO<sup>2</sup>** emission = **36,384 kg/year**

## RECOMMENDED SIZE OF PV SYSTEM

**33.28** kWp

Occupied area

**210** m<sup>2</sup>

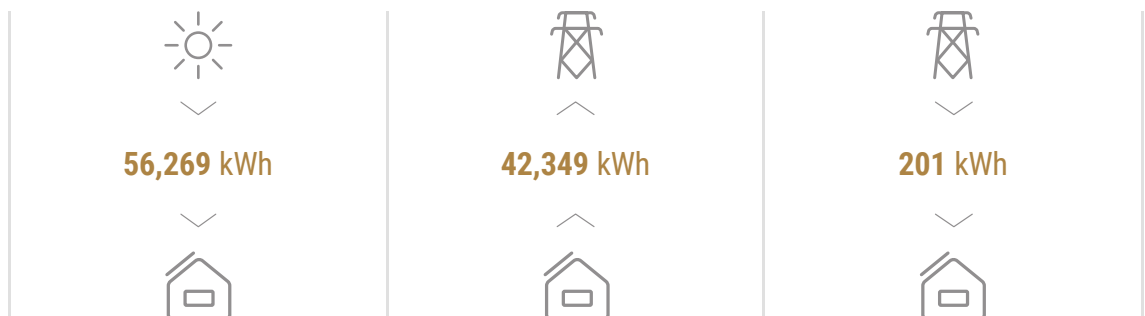
Estimated annual production **56,269 kWh**



Annual consumption **48,000 kWh**



## ENERGY BALANCE



# PV SYSTEM DESIGN

NEW DESIGN



NUMBER OF  
MODULES

128 pcs



SYSTEM  
POWER

33.28 kWp



# CUSTOMER PROPOSAL

## PANELS

Name	Amount	Unit
Jinko Solar Co., Ltd., JKM260PP-60 (Eagle I)	128	pcs

## INVERTERS

Name	Amount	Unit
GoodWe, GW15K-DT	2	pcs

## OTHERS

Name	Amount	Unit
AC wiring	1	set

Name	Amount	Unit
Energy storage	10	kWh

Name	Amount	Unit
Monitoring system	1	pcs

Name	Amount	Unit
Mounting system (module racking)	1	set

Total price **PLN 1,000,000.00**

# ENERGY PRODUCTION AND ENVIRONMENTAL IMPACT

## ENERGY PRODUCTION

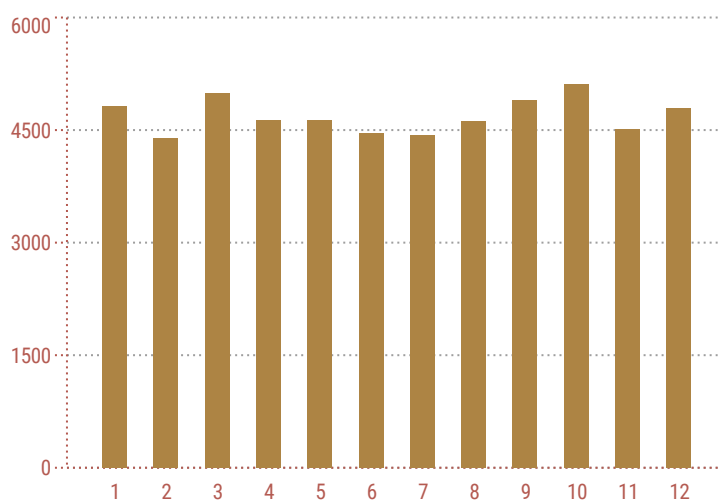
Average annual irradiation for geographic coordinates

**38°54'0" N**  
**115°29'18" E**

**1,734 kWh/m<sup>2</sup>**

\* Source: NASA

Chart of energy production during the year



## ENVIRONMENTAL IMPACT

WHAT DO YOU GET?	1 year	5 years	10 years	20 years
Energy production [kWh]	<b>56,269</b>	<b>281,343</b>	<b>562,685</b>	<b>1,125,370</b>
The energy you produce will be enough for you to drive an electric car [km]	<b>312,603</b>	<b>1,563,014</b>	<b>3,126,028</b>	<b>6,252,056</b>
Thanks to this you will save fuel [l]	<b>25,008</b>	<b>125,041</b>	<b>250,082</b>	<b>500,164</b>

REDUCE YOUR NEGATIVE IMPACT ON THE ENVIRONMENT	1 year	5 years	10 years	20 years
CO <sup>2</sup> [kg]	<b>42,652</b>	<b>213,258</b>	<b>426,515</b>	<b>853,030</b>
NO <sub>x</sub> , SO <sub>x</sub> [kg]	<b>66</b>	<b>331</b>	<b>663</b>	<b>1,326</b>
Which equals the number of trees planted	<b>6,093</b>	<b>30,465</b>	<b>60,931</b>	<b>121,861</b>

# INVESTMENT COSTS OVER 20 YEARS

## YOUR NEW ELECTRICITY BILL



The sum of received subsidies <b>over 20 years</b>	<b>PLN 0.00</b>
The sum of savings and received subsidies <b>after 20 years</b>	<b>PLN 3,063,821.56</b>

## COMPARE ENERGY COSTS OVER THE NEXT 20 YEARS



Savings including photovoltaic system costs	<b>PLN 2,063,821.56</b>
Total cost of the PV system	<b>PLN 1,000,000.00</b>

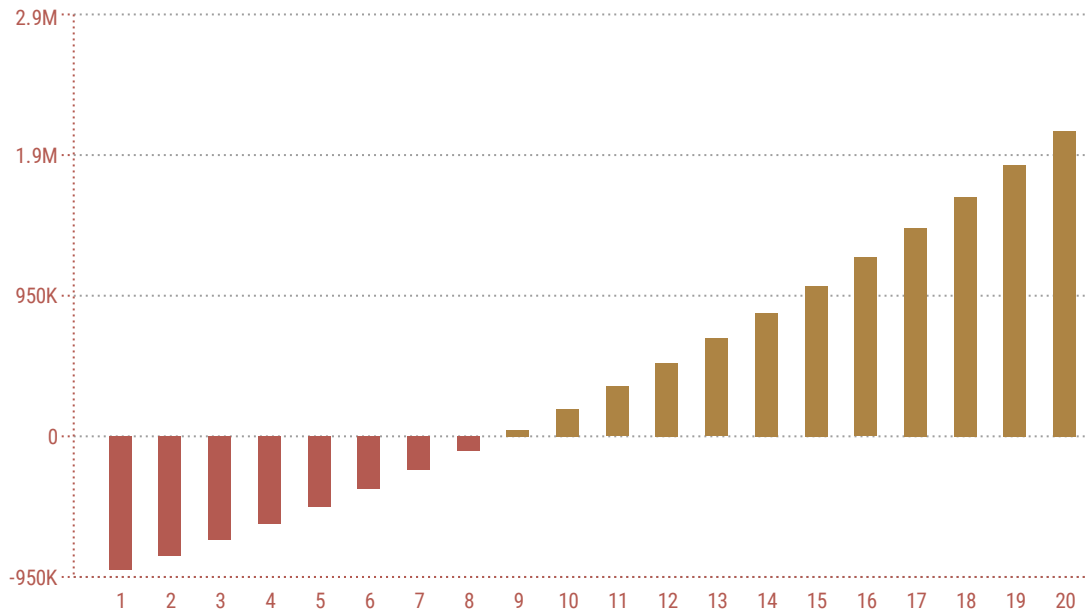
# ACCUMULATED CASH FLOW

## CASH FLOW

Year	Production [kWh]	Savings [PLN]	Received subsidies [PLN]	Installments [PLN]	Cash flow [PLN]	Electricity bill without PV [PLN]	Electricity bill with PV [PLN]
1	56,268.50	95,597.60	0.00	0.00	-904,402.40	96,000.00	402.40
2	56,099.70	100,093.89	0.00	0.00	-804,308.51	100,800.00	706.11
3	55,931.40	104,801.70	0.00	0.00	-699,506.81	105,840.00	1,038.30
4	55,763.60	109,731.00	0.00	0.00	-589,775.81	111,132.00	1,401.00
5	55,596.30	114,892.20	0.00	0.00	-474,883.61	116,688.60	1,796.40
6	55,429.50	120,296.22	0.00	0.00	-354,587.40	122,523.03	2,226.81
7	55,263.20	125,954.48	0.00	0.00	-228,632.92	128,649.18	2,694.70
8	55,097.40	131,878.95	0.00	0.00	-96,753.96	135,081.64	3,202.69
9	54,932.20	138,082.16	0.00	0.00	41,328.20	141,835.72	3,753.56
10	54,767.40	144,577.22	0.00	0.00	185,905.42	148,927.51	4,350.29
11	54,603.10	151,377.88	0.00	0.00	337,283.30	156,373.88	4,996.01
12	54,439.20	158,498.50	0.00	0.00	495,781.79	164,192.58	5,694.08
13	54,275.90	165,954.15	0.00	0.00	661,735.94	172,402.21	6,448.06
14	54,113.10	173,760.60	0.00	0.00	835,496.54	181,022.32	7,261.72
15	53,950.80	181,934.36	0.00	0.00	1,017,430.90	190,073.43	8,139.08
16	53,788.90	190,492.71	0.00	0.00	1,207,923.61	199,577.11	9,084.40
17	53,627.50	199,453.75	0.00	0.00	1,407,377.36	209,555.96	10,102.21
18	53,466.70	208,836.45	0.00	0.00	1,616,213.81	220,033.76	11,197.31
19	53,306.30	218,660.64	0.00	0.00	1,834,874.45	231,035.45	12,374.81
20	53,146.30	228,947.10	0.00	0.00	2,063,821.55	242,587.22	13,640.12


# ACCUMULATED CASH FLOW

## VISUALIZATION



## CONTACT

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