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EASY BEING GREEN PTY LTD

ABN: 59 120 665 714

# 38.4kW SOLAR SYSTEM



ADDRESSED TO:

Victoria  
Australia

Prepared by Harry Bartlett on Aug 28, 2020  
Offer valid until Oct 12, 2020



## CONTACT

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Easy Being Green Pty Ltd  
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Patrick Randall-Hughes



PROPOSED PANEL LAYOUT

Victoria  
Australia

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## SYSTEM DETAILS

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Your custom design

### System size <sup>1</sup>

38.4 kW<sub>DC</sub> (STC)

### Estimated annual production <sup>2</sup>

51,574 kWh

### Solar panel

96 × 400W Risen Energy JAGER HP - RSM144-6-400M  
2015 mm × 996 mm · Monocrystalline · [Datasheet](#)

### Inverter

1 × GoodWe GW29.9K-MT · 29900 W  
3 phase · 98.8% max efficiency · [Datasheet](#)

### System efficiency <sup>3</sup>

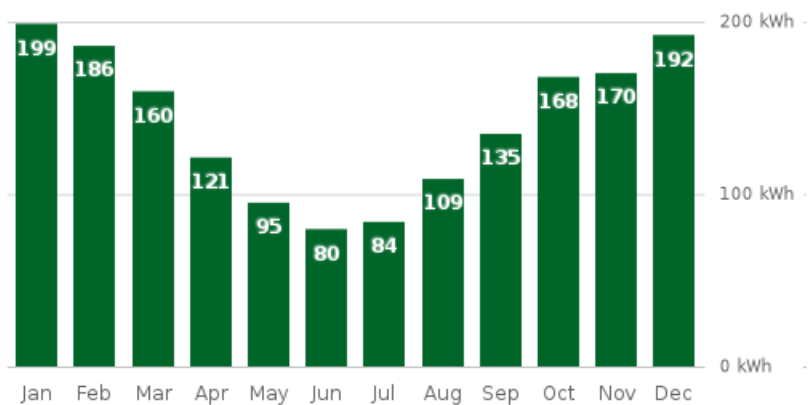
87%

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## DAILY PRODUCTION PER MONTH

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How much electricity will my system generate per day, on average?



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## UTILITY COSTS

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Average monthly bill

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### BEFORE SOLAR

\$1,880.70

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### WITH SOLAR

\$816.55 ↓ 57%

First year average

Annual bill

\$22,568.44

\$9,798.65 ↓ 57%

Est. annual savings \$12,769.79

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## INCLUDED SERVICES

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### Warranty & Repair Services

A 7 year workmanship warranty applies to this solar system installation. For other warranty information refer to the Warranty section below.

# 20 YEAR FINANCIAL SUMMARY

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## Net present value of investment <sup>4</sup>

\$287,384.34

The Net Present Value (NPV) is the *present day value* of all future cash inflows minus the outflows. Since money is worth more in the present day than in the future, all future cashflows need to be discounted by inflation. A positive NPV indicates a good investment.

## Discounted payback period <sup>4</sup>

2 - 3 years

Similarly, the Discounted Payback Period also accounts for all discounted future cashflows. The resulting period will typically be longer than a "simple payback period" calculation.

## Total return on investment <sup>4</sup>

1026%

The Return on Investment (ROI) is another measure of the efficiency of your solar investment. Imagine you invested \$100 today and received \$300 in return. The ROI would be 200%.

## Rate of return on cash invested <sup>4</sup>

49.6%

The Rate of Return on Cash Invested (or Internal Rate of Return) is the annual compounded rate of return that the cash flows bring based upon the net cash invested in the year of installation. Think of it as the interest rate that a term deposit would need to provide to match the returns on your solar investment.

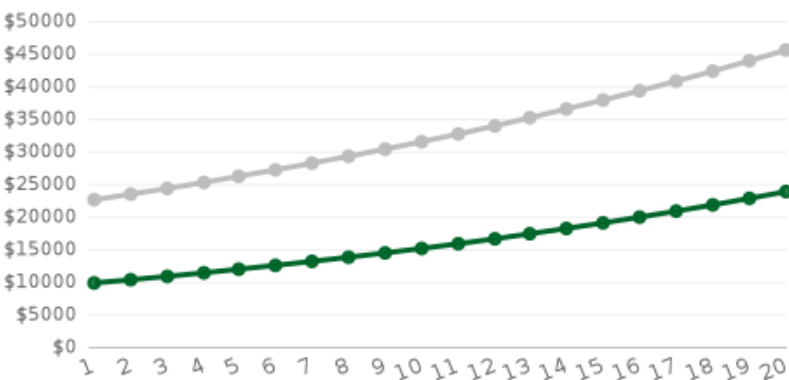
# FINANCIAL ANALYSIS

Your historical electricity bills were used to help size your solar system. Based upon the system size suggested, the expected electricity bill savings over a 20 year period are provided below.

In addition, the first-year electricity bill savings you can expect are provided together with a chart of the monthly solar system output you can expect.

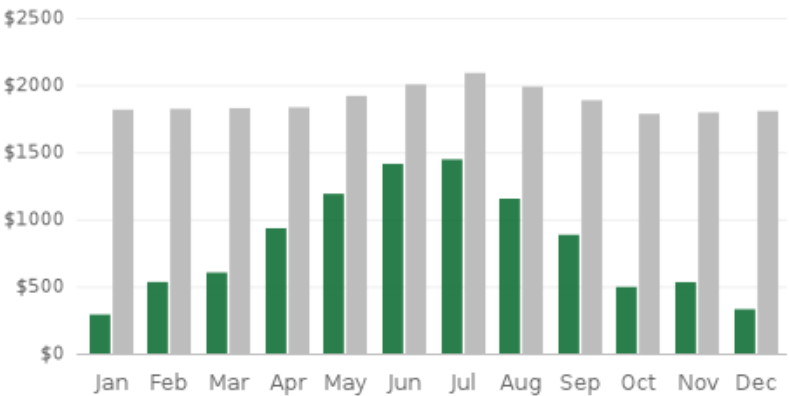
## ANNUAL ELECTRICITY BILL OVER TIME <sup>4</sup>

- Electricity bill without solar
- Electricity bill with solar



## MONTHLY ELECTRICITY BILL COMPARISON <sup>4</sup>

- Electricity bill without solar
- Electricity bill with solar



# ENVIRONMENTAL ANALYSIS

Your solar system will generate significant environmental benefits. These come primarily from avoided power plant emissions.

Below is a summary of environmental benefits your solar system will provide.

## TREES PLANTED EQUIVALENT

–

930 trees per year <sup>5</sup>

Each tree icon represents 100 trees



## AVOIDED EQUIVALENT FUEL

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15444 litres of petrol per year <sup>5</sup>

Each fuel can icon represents 1550 litres of fuel

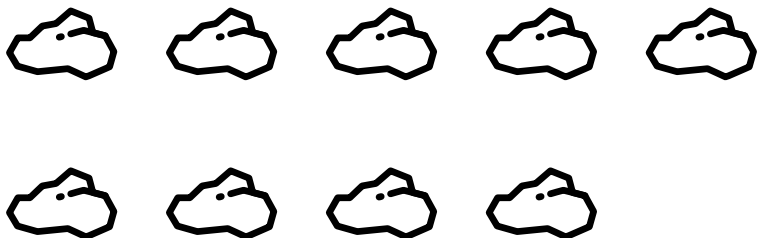


## AVOIDED COAL BURNT

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17551 kg of coal per year <sup>5</sup>

Each coal lump icon represents 1760 kg of coal



# QUOTE



To

Address

Expiry date

Victoria

Oct 12, 2020

From

Easy Being Green Pty Ltd  
Suite 32  
574 Plummer Street  
Port Melbourne VIC 3207  
Australia

| Description          | Qty | Price                           | Total        |
|----------------------|-----|---------------------------------|--------------|
| 38.4 kW Solar System |     | \$51,086.80                     | \$51,086.80  |
|                      |     | Subtotal incl. GST              | \$51,086.80  |
|                      |     | Included GST                    | \$4,644.25   |
|                      |     | 583 STCs <sup>6</sup> × \$36.00 | -\$20,988.00 |
|                      |     | GST on STCs                     | -\$2,098.80  |
|                      |     | Total incl. GST                 | \$28,000.00  |

## ACCEPTANCE

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Please sign and return to Easy Being Green Pty Ltd. Be sure to keep a copy for your own records. Installation will commence 3-5 weeks after Quote Acceptance and Deposit has been received by Easy Being Green, unless otherwise discussed. Final payments are to be made upon full completion of installation. Offer valid until Oct 12, 2020

## PAYMENT

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Bank Account

BSB: 082401  
Account No: 165928229  
Easy Being Green

NAB

Client Name

Client Signature

# FINANCING



## Key finance figures

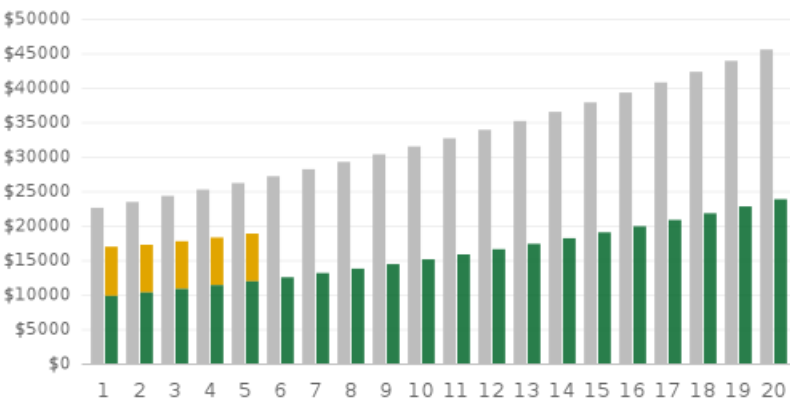
|                               |                         |
|-------------------------------|-------------------------|
| Financed amount               | \$28,000.00 (incl. GST) |
| Finance provider              | Solaris Finance         |
| Term                          | 60 months               |
| Indicative monthly repayments | \$576.14 (excl. GST)    |

## Finance provider fees

|                   |                  |
|-------------------|------------------|
| Documentation fee | \$220.00 upfront |
|-------------------|------------------|

## YEARLY EXPENSE COMPARISON

- Current electricity bill
- Electricity bill with solar
- Finance repayments



## ASSUMPTIONS & DISCLAIMER

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<sup>1</sup> The Standard Test Condition rating (STC) assumes a standard set of optimal operating conditions (25°C cell temperature, 1000 W/m<sup>2</sup> and an air mass of 1.5). The STC rating is most often used by manufacturers to classify the power output of PV modules. To calculate the system's energy production for any future year, the expected degradation in system performance is included (See "PV degradation", in table below).

<sup>2</sup> Energy Output is calculated based on historical solar irradiance at the given location. A typical meteorological year is selected using statistical methods. Factors including panel tilt, orientation (azimuth), and system efficiency are taken into account.

<sup>3</sup> System efficiency is estimated to account for losses caused by a variety of factors. These factors include intermittent shading, cable losses, dirt, scheduled downtime, manufacturer tolerances, inverter efficiency for DC to AC (this does not affect off-grid DC only systems), battery round trip efficiency, and other factors.

<sup>4</sup> Utility electricity price inflation is adjusted based on the given location.

<sup>5</sup> United States Environmental Protection Agency. 2017. Greenhouse Gases Equivalencies Calculator - Calculations and References. [ONLINE] Available at: <https://www.epa.gov/energy/greenhouse-gases-equivalencies-calculator-calculations-and-references>.

<sup>6</sup> Australian Small-scale Technology Certificates (STCs) are an incentive provided under the Renewable Energy Target. One certificate is equal to one megawatt hour of eligible renewable electricity either generated or displaced by the installed system. [ONLINE] Read more at: <http://www.cleanenergyregulator.gov.au/RET/Scheme-participants-and-industry/Agents-and-installers/Small-scale-technology-certificates>.

**Note** The system design may change based on a detailed site audit. Estimated savings are based on past electrical usage and utility rates provided by the customer. Actual system production and savings will vary based on final system design, configuration, utility rates, applicable subsidies and your energy usage post-solar installation. Utility rates, charges and fee structures imposed by your utility are not affected by this proposal and are subject to change in the future at the discretion of your utility. The production calculations in this report are based on historical climate data for the site location and represent typical estimates of future solar production.

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**ASSUMED VALUES**

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|                       |             |                |
|-----------------------|-------------|----------------|
| <b>DC Array Power</b> | <b>Tilt</b> | <b>Azimuth</b> |
| 38.4kW                | 23°         | 344°           |

**System efficiency** <sup>3</sup>  
87%

**AC system size**  
29.9 kW

**Export limit**  
No export limit

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**Quarterly electric bill**  
\$5,500.00 (Autumn)

**Utility rate inflation**  
3.76% per annum

**Self-consumption rate**  
82%

**Daily supply charge**  
\$1.55

**Current electricity price**  
\$0.28

**Feed-in tariff**  
\$0.10

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**System lifetime**  
20 years

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**PV degradation**  
Risen Energy JAGER HP  
RSM144-6-400M  
97% for the first 1 year(s)  
-0.7% per year to year 25

## TERMS & CONDITIONS

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<http://solar.easybeinggreen.com/clients/docs/Terms-and-Conditions.pdf>

In the event the Terms and Conditions are not available at the above link, please contact us immediately via 1300 611 477, [solar@easybeinggreen.com.au](mailto:solar@easybeinggreen.com.au) or by sending a message here: <https://facebook.com/ebgptyltd> and we will send you a PDF copy within 24 hours.