



## NET ENERGY METERING

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Generate solar energy for self-use  
Export excess energy to the grid for credit

## ABOUT NET ENERGY METERING

Net Energy Metering (NEM) is a program that allows consumers to generate energy using solar PV for their own consumption whilst exporting any surplus to the grid.

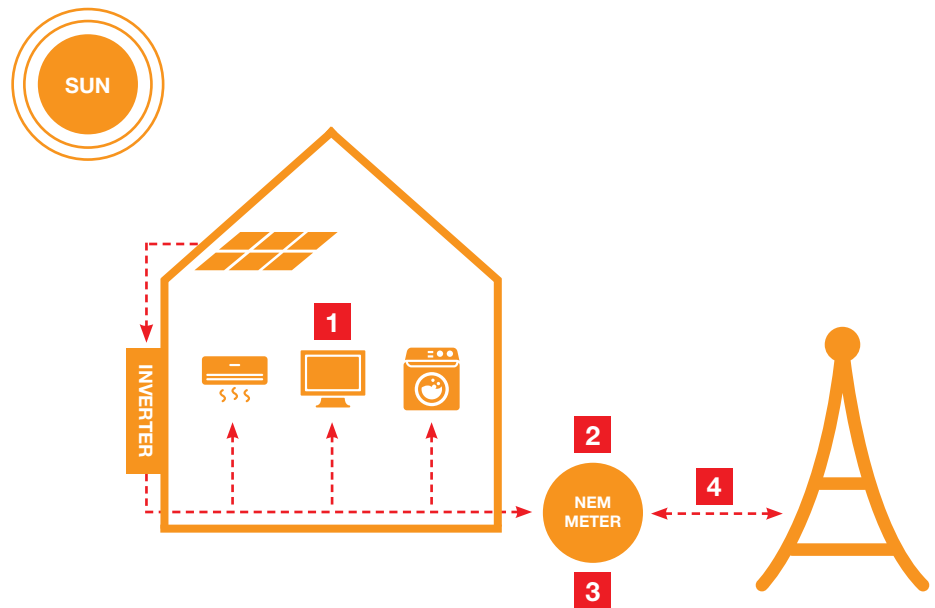
NEM is the next phase in Malaysia's renewable energy plan, after the successful implementation of the popular Feed-In-Tariff program. Under the plan, residents, businesses and commercial bodies have the opportunity to significantly lower their energy bills using clean, free energy from the sun.

In recent years, the soaring popularity of solar PV has caused a drastic drop in upfront costs, making net metering a more attractive investment than ever before.

NEM is executed by the Ministry of Energy, Green Technology & Water, regulated by the Energy Commission (EC), with Sustainable Energy Development Authority (SEDA) Malaysia as the implementing agency.

## HOW DOES NET METERING WORK?

1. When there is sunlight, electrical devices are powered by solar energy.
2. Excess energy is channeled to the grid through the NEM meter.
3. The NEM meter records the amount as credit against your next electricity bill (currently RM 0.31 per kWh)
4. When insufficient power is generated by the solar system, electrical devices will be powered by the grid.



## HOW MUCH CAN I SAVE?

The best way to get a clearer savings estimate is by organising an appointment with one of our experts, who will come by for a site survey and discussion.

Investment costs and returns vary greatly according to factors such as your system size, exposure to sunlight, materials and equipment chosen, electricity usage patterns and differing tariff rates.

As a guide, a case study by our engineering team based on a 1MW system installed in a commercial factory projects savings of up to RM700,000 on electricity costs per year, meaning a breakeven period of about 7 years (based on a tariff of RM0.509 per kW and 4 hours of peak sun per day).

Make an appointment for a free, no obligation consultation today!

## WHAT ARE THE BENEFITS OF NEM?

Your energy generation will be consumed by your own premises first, meaning you'll need less energy from the grid. This, of course, reduces your electricity bills! This is especially relevant for consumers that fall under the high electricity tariff block.

Plus, any excess energy generated will be exported to the grid and will be paid at the prevailing Displaced Cost as prescribed by the Energy Commission. This may be a great bonus for industry or manufacturing companies that don't operate on the weekends, because all the energy generated by the solar panels can be exported to the grid.

And of course, by generating your own clean energy, you're also contributing to the reduction of CO<sub>2</sub> emissions.

### 8 REASONS TO LOVE NET ENERGY METERING

1. Import less energy from the grid
2. Save on your electricity bills
3. Export excess energy back to the grid for credit to reduce electricity bills even further
4. Hedge against any possibility of future electricity tariff increases
5. Contribute to the reduction of CO<sub>2</sub>
6. Reduce your carbon footprint
7. Mitigate climate change
8. Contribute towards national energy security

## HOW DO I GET NET METERING INSTALLED?

There are several steps that need to be taken, but never fear. By engaging BSL Eco Energy as your turnkey contractor, we will manage your installation from start to finish, including the design, application process, construction and ongoing maintenance.\*

Below are the steps that we will take to manage the installation for you:

1. Check your eligibility and capacity limit.
2. Design a system that will maximise your returns, based on your energy usage patterns, geographical location and available roof space.
3. Arrange for a Net Metering Assessment study with TNB (for installations above 72kWp only).
4. Complete and submit the application and all related documentation to SEDA.
5. Obtain NEM approval and certificate from SEDA.
6. Perform the PV system installation.
7. Check and replace existing meter to a bidirectional meter.
8. Perform testing and commissioning.
9. Perform ongoing monitoring and reporting.

## I'M INTERESTED! AM I ELIGIBLE?

Net metering can be enjoyed by all domestic, commercial or industrial sectors, as long as you fulfil the following conditions:

1. Your premise is connected to the national grid.
2. Your premise has enough space for a solar installation.
3. You have not been blacklisted by TNB (or SESB if you're in Sabah or Labuan).

The Government has set a total quota of 500MWp to be released in batches every year until 2020. The following quota applies for 2018:

- Residential homes – 24MW per year
- Commercial and industrial consumers - 74MW per year

The quota is allocated on a first come-first served basis, so it's best to get your application in early!

## ABOUT BSL ECO ENERGY



BSL Eco Energy is one of Malaysia's top solar photovoltaic (PV) solution providers, with extensive experience in the design, building and operation of solar installations.

So whether you're a homeowner with a heart for the environment and some roof to spare, or an entrepreneur exploring the viability of a renewable energy venture, or even an existing major player in the industry looking to maximise the profitability of your business – look no further. We offer you customised solutions to meet all your solar PV aspirations.

In recent years, BSL Eco Energy successfully built some of Malaysia's most innovative solar installations, including the nation's first megawatt-sized installation

within the KL City Centre. We also pioneered BIPV installations which integrate solar energy generation with agricultural applications. This year, BSL Eco is slated to install over 120MW across South East Asia.

BSL Eco Energy is a subsidiary of leading public listed manufacturing solutions provider BSL Corporation. Our standing in the solar PV sector is further strengthened through a partnership with Matahari Kencana Sdn Bhd, an exclusive distributorship with Tier 1 solar module manufacturer Seraphim Energy and local distributorship of string, hybrid and central inverters from Kstar Corporation.

## CONTACT

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