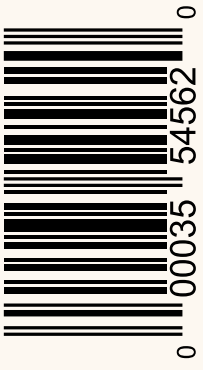


**2024
EDITION**

SOLAR PV **INDUSTRY**



AMIYA ENERGY

**THE JOURNEY OF
MAKING EVERY LIFE
BLOOM**

90%

**SAVE YOUR
ELECTRICITY BILLS**

PROVIDES

**ECO FRIENDLY
ENERGY SOLUTIONS**

AMIYA ENERGY SDN BHD



Our Mission

Elevating customer experience through peace of mind and precision in data delivery.

Our Vision

A world electrified, where life blooms with affordable and clean energy.

Purpose

Make Every Life Bloom



For any inquiries, please scan here





ORGANIZATIONAL CHART

AMIYA ENERGY



PETER CHUA
(AMIYA'S DIRECTOR)



NATASHA
(PROJECT EXECUTIVE)



ANIS
(ADMIN EXECUTIVE)



ARIFF AIMAN
(MARKETING EXECUTIVE)



JUSTIN LOW
(MARKETING EXECUTIVE)



INTRODUCTION

The Government has introduced the Net Energy Metering Scheme in November 2016 with a quota allocation of 500 MW up to the year 2020 to encourage Malaysia's Renewable Energy (RE) uptake. The concept of NEM is that the energy produced from the solar PV installation will be consumed first, and any excess will be exported to TNB at the prevailing displaced cost.

To encourage NEM uptake, the NEM 2.0 was introduced on 1st January 2019, and the true net energy metering concept was adopted, allowing excess solar PV generated energy to be exported back to the grid on a "one-on-one" offset basis.



PETER CHUA

Director@ Amiya Energy

The NEM scheme was executed by the Ministry of Energy and Natural Resources (KeTSA), regulated by the Energy Commission (EC), with Sustainable Energy Development Authority (SEDA) Malaysia as the Implementing Agency (IA). The 500MW quota under the NEM 2.0 has been fully subscribed by 31st December 2020.

Due to the overwhelming response from the PV industry and to boost the usage of Solar energy, the Energy and Natural Resources Minister, via a press statement by KeTSA on 29th December 2020, has introduced the new Net Energy Metering 3.0 programme (NEM 3.0) to provide more opportunities to electricity consumers to install solar PV systems on the roofs of their premises to save on their electricity bill.





PROVIDE ECO-FRIENDLY ENERGY SOLUTIONS

In 2019, during a visit to China, a realization dawned upon the increasing demand for energy, driven by the surging popularity of electric vehicles, the advent of Industry 4.0, and the introduction of robotic arms in various sectors. Recognizing the pressing need for sustainable energy solutions, our journey into the realm of solar power commenced in 2020, coinciding with the conclusion of the Net Energy Metering (NEM) 2.0 program, despite the challenges posed by the Movement Control Order (MCO).

Since then, our commitment to pioneering clean energy initiatives has propelled us forward. Over this period, we have actively engaged with and successfully completed numerous rooftop solar photovoltaic (PV) projects. These ventures not only showcase our dedication to providing eco-friendly energy solutions but also signify our role in fostering a sustainable future amidst a rapidly evolving energy landscape.





What's Solar PV?

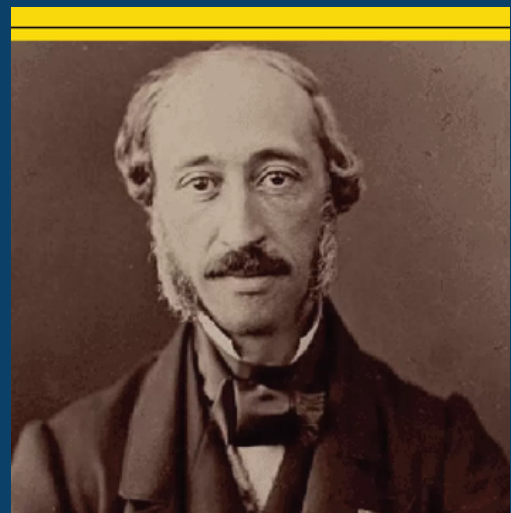
The concept of harnessing the power of the sun's rays dates back to the 7th century BC years when magnifying glasses were used to make fire and reportedly burn ants! However, it wasn't until 1839 when the photovoltaic effect was first discovered by a young French scientist, Edmond Becquerel. The photovoltaic effect is the underlying process by which solar panels work, and hence, Becquerel is credited with being the inventor of solar panels.

What's Solar PV?

The concept of harnessing the power of the sun's rays dates back to the 7th century BC years when magnifying glasses were used to make fire and reportedly burn ants! However, it wasn't until 1839 when the photovoltaic effect was first discovered by a young French scientist, Edmond Becquerel. The photovoltaic effect is the underlying process by which solar panels work, and hence, Becquerel is credited with being the inventor of solar panels.



The Becquerel effect



At the tender age of 19, Becquerel coated electrodes with silver chloride (AgCl) and silver bromide (AgBr) in an acidic solution, which generated voltage and current. Thanks to Becquerel's experiments, the photovoltaic effect is sometimes referred to as the "Becquerel effect".

WHY CHOOSE US?



Renewable Energy Source



Reduces Electricity Bills



Environment Impact



Low Operating and Maintenance Cost

Solar energy stands as a beacon of sustainability, offering a renewable power source that not only slashes electricity bills but also minimizes environmental impact. With its abundant availability and technological advancements, solar power systems require minimal operating and maintenance costs, making them a cost-effective and eco-friendly choice for powering homes and businesses alike.





SOLAR IN MALAYSIA

ILLUMINATING PATHS TO PROSPERITY

Solar PV industry in Malaysia. Historically, solar PV installation was first introduced in Malaysia via the pioneering solar PV rural electrification programme in 1982. Under the scheme, ~100 homes at several selected remote villages throughout the country had solar PV installed.

Feed-in Tariff (FiT)

Feed-in Tariff (FiT) is the most commonly applied policy mechanism to spur the growth of renewable energy.

The FiT mechanism allows electricity produce from an indigenous renewable energy source to be sold to distribution licensees (DLs) at a fixed premium price for a specific duration.

2011 - FEED INTARIFF

Malaysia's Feed-in Tariff (FiT) system obliges Distribution Licensees (DLs) to buy from Feed-in Approval Holders (FIAHs) the electricity produced from renewable resources (renewable energy) and sets the FiT rate. The DLs will pay for renewable energy supplied to the electricity grid for a specific duration. By guaranteeing access to the grid and setting a favourable price per unit of renewable energy, the FiT mechanism would ensure that renewable energy becomes a viable and sound long-term investment for companies industries and also for individuals.



OPERATION & MAINTENANCE

amiya@amiya.energy

Solar panels exhibit high durability, with reputable solar installation companies providing warranties lasting 25 to 30 years to guarantee optimal performance throughout their lifespan. Nevertheless, understanding proper solar panel maintenance is crucial. Regular cleaning is essential; the accumulation of dust and particles on the panel surface can obstruct sunlight, potentially leading to a decrease in electricity production.



SOLAR PANEL MAINTENANCE TIPS:

Maintaining residential solar panels primarily involves regular cleaning, necessitating the use of appropriate tools to prevent any damage. Photovoltaic (PV) modules generally have simpler maintenance requirements compared to other power generation systems due to the absence of moving parts susceptible to mechanical wear. Consider the following recommendations for proper solar panel care:

CLEANING PROCEDURES:

Let rain naturally cleanse solar panels, eliminating accumulated materials like dirt and bird droppings. After extreme weather, conduct visual inspections to ensure the panels remain in optimal working condition.

AVOIDING HARMFUL TOOLS AND CHEMICALS:

Refrain from using abrasive tools such as roof rakes or hard brushes that may scratch the panel surface. Additionally, steer clear of chemical cleaning agents to prevent damage. Opt for safe cleaning options like soft brushes, squeegees, leaf blowers, or a gentle garden hose.



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COST OF MAINTENANCE:

Professional solar cleaning service costs vary based on location, system size, and complexity. DIY cleaning is suitable for ground-mounted or easily accessible flat roof systems. However, due to associated risks, it is advisable to opt for professional cleaning services for solar energy systems on sloped roofs.



LEVERAGING SOLAR PANEL WARRANTIES:

When investing in a solar power system, securing a robust warranty is crucial. The best solar panels typically come with warranties spanning 25 to 30 years. During this period, the warranty provider handles any malfunctions at no extra cost, safeguarding your investment.



MONITORING EFFICIENCY DROPS:

Dust build-up gradually diminishes the energy output of solar panels. Utilize mobile apps on solar inverters to track daily productivity. While lower electricity output on cloudy days is expected, investigate further if efficiency drops occur during sunny weather, as panels may be obstructed by leaves or other objects.





EDITOR MESSAGE

As we bask in the glow of another bright day, I'm thrilled to welcome you to our latest edition! Here at Amiya Energy, we're not just about harnessing the power of the sun; we're about illuminating minds and energizing communities. In this issue, we're excited to shed light on the latest advancements in solar technology, from innovative panel designs to groundbreaking storage solutions. Our team has scoured the solar landscape to bring you the most up-to-date information and insights, empowering you to make informed decisions about your energy future.

***“Be a new age
people with new age
skills”***

But it's not just about the technology, it's about the people. From homeowners embracing solar for the first time to businesses leading the charge toward sustainability, we're inspired by each and every one of you. Your passion and dedication drive us to push the boundaries of what's possible and to envision a world powered by clean, renewable energy.

As we navigate the challenges and opportunities ahead, we're committed to being your trusted partner every step of the way. Whether you're considering solar for your home or looking to expand your renewable energy portfolio, we're here to provide expert guidance and support. So, as you soak up the sunshine and flip through these pages, I encourage you to dream big, think green, and join us on our mission to create a brighter, more sustainable future for all.



ARIFF AIMAN
Marketing Executive

MEET THE TEAM

Amiya Energy 
Make Every Life Bloom

JUSTIN LOW

Greetings, my name is Justin Low Kit Cheong serves as the Marketing Executive, adept in Photoshop, SEO, SEM, Canva, Google Ads, Microsoft Suite, SPSS, EViews, CapCut, Jianying, and video editing. With a passion for acquiring new skills, particularly in video editing. I am proficiency in various digital tools and enthusiasm for continuous learning make myself a valuable asset to the team, contributing innovative marketing strategies and dynamic content creation.



ARIFF AIMAN

Hello, I'm Muhammad Ariff Aiman Bin Mazlan, a dedicated Marketing Executive with a penchant for creativity and innovation. Armed with a diverse skill set including proficiency in Adobe Photoshop, various Microsoft software, computer operations, Canva, Capcut, and Premier Pro, I thrive in the dynamic world of marketing where adaptability and ingenuity are key. Beyond the realm of marketing, I'm a fervent PC gamer who enjoys exploring the latest updates and trends in the gaming world. My curiosity extends to browsing for new information and insights, fueling my passion for content creation and engaging discussions. With a foundation built on critical thinking and a drive for excellence, I'm committed to making a meaningful impact in both my professional and personal pursuits.



MEET THE TEAM

Amiya Energy 
Make Every Life Bloom

NATASHA

I am Natasha, a skilled Project Coordinator at Amiya Energy, excelling in project execution with organizational skills, attention to detail, and proactive problem-solving. I enjoy Korean dramas for their captivating storylines, providing inspiration and escape. This blend of dedication and passion motivates me to achieve exceptional results and foster connections in all endeavors.



ANIS

Hello, I am Nur Anis Afiqah Binti Mohd Asmadi, known affectionately as Anis, currently serving as an Admin Executive specializing in Accounts & Licensing. Proficient in Microsoft Office and dedicated to delivering exceptional customer service, I ensure operational efficiency and client satisfaction. Off duty, I delight in the culinary adventure of food hunting, while my passion for life infuses every aspect of my endeavors, driving me to pursue excellence and meaningful connections in all that I do.



JUNE
2024

CONTACT US NOW!



LOCATION

01-06, Level 1, Tropika Welcome Centre - Setia Tropika Sales Gallery, 10, Jalan Setia Tropika 1/21, Taman Setia Tropika, 81200 Johor Bahru, Johor

WEBSITE

<https://www.amiya.energy/>








PHONE NO

+60 173518138

E-MAIL

amiya@amiya.energy

SOCIAL MEDIA

- | | |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
|  Amiya Energy - Rooftop Solar PV System |  @amiya.energy |
|  Amiya Energy - Sistem Solar PV |  AMIYA Energy |
|  Amiya Energy - Rooftop Solar PV System |  @amiyaenergy |
|  @amiyaenergy | |




SCAN ME 

CONTACT
US NOW

AMIYA SIGNBOARD

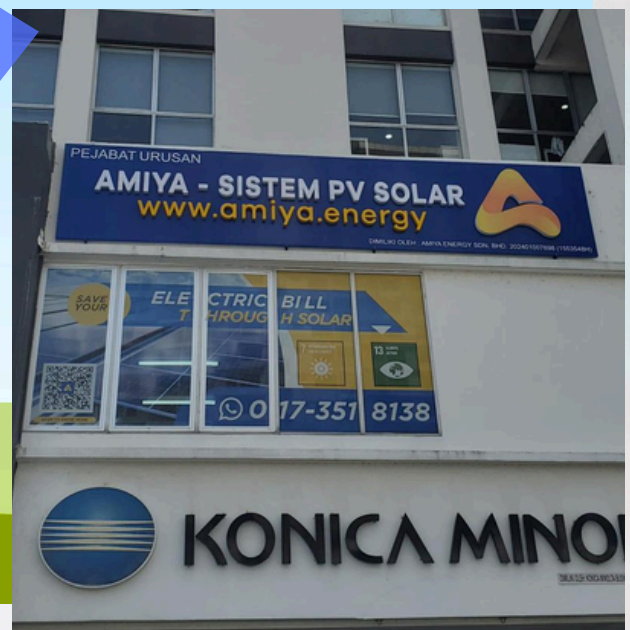


This is what the Amiya Energy building looked like before the signboard was installed. It looks gloomy & doesn't get much attention from the public.

BEFORE

This is also what the Amiya Energy building looked like with a signboard installed. Looks more majestic and may get attention from people passing by in the surrounding area

AFTER



AMIYA

STICKER

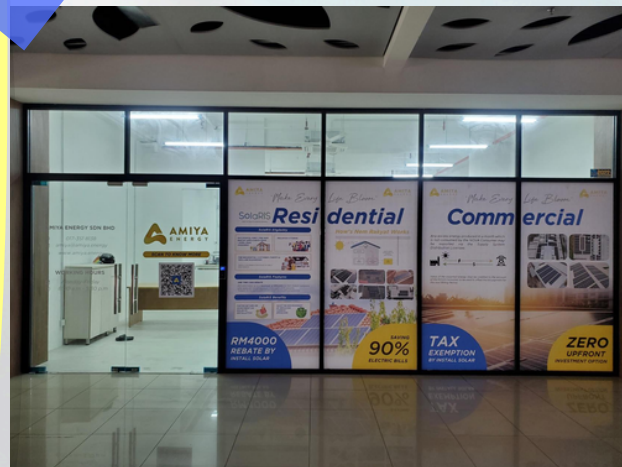


This is what Amiya's office looks like without the sticker on the glass mirror. There is no privacy for all the workers & they are looked at by the people who pass by outside.

BEFORE

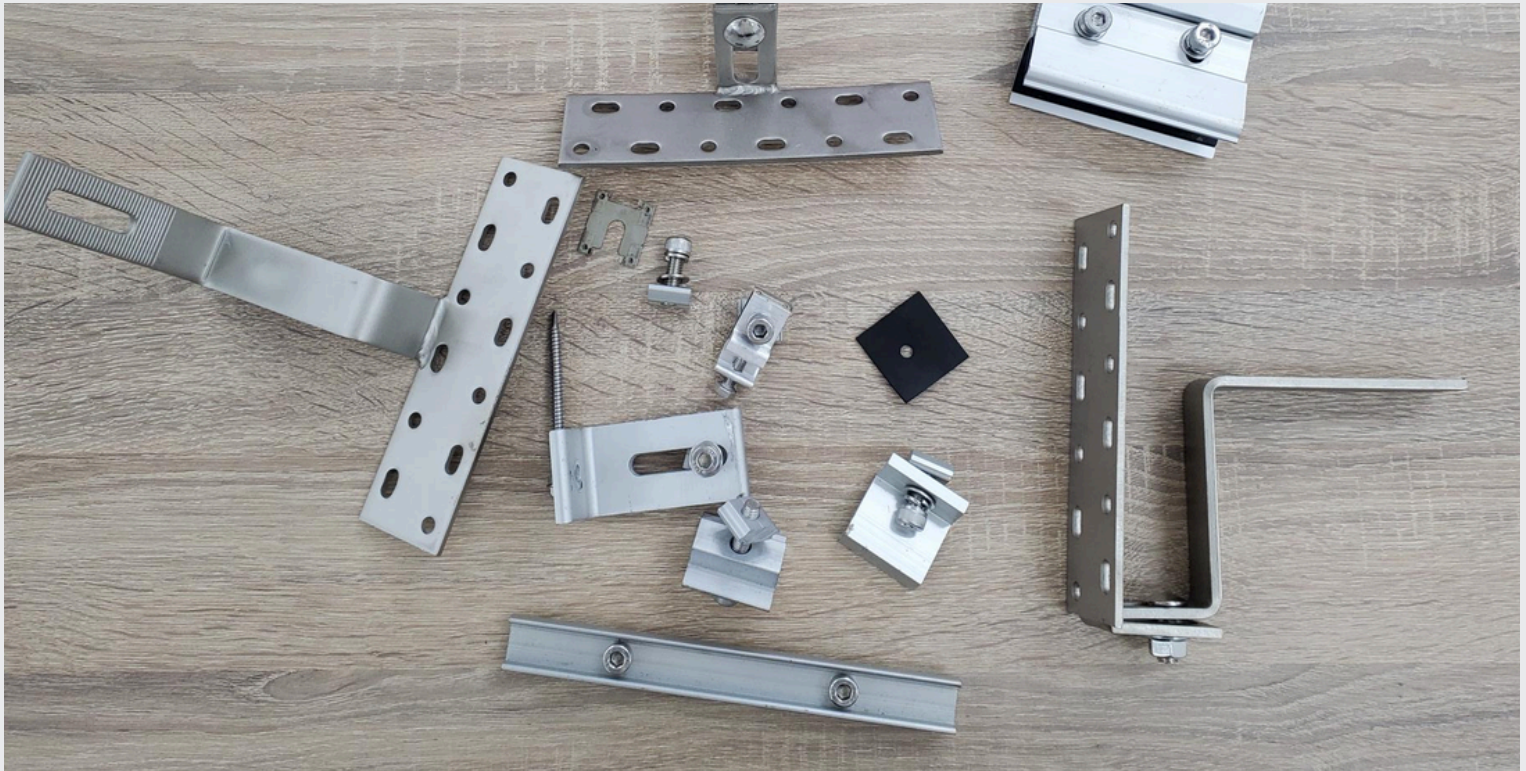
This is what the Amiya office mirror looks like pasted. It looks more attractive and more private because it is closed and there is also information about the company on the sticker.

AFTER





EQUIPMENT




Z BRACKET



ROOF HOOK



MOUNTING KIT

 +60 173518138

 amiya@amiya.energy



INDUSTRY UPDATE

SERVICE CHARGE INCREASE

Maintenance Costs:

Solar systems require periodic maintenance to ensure they operate efficiently. As systems age, maintenance costs may increase, leading to higher service charges to cover these expenses.

Equipment Upgrades:

Technological advancements may necessitate upgrades to solar panels, inverters, or other components of the system. These upgrades can improve performance or extend the system's lifespan but may come with additional costs reflected in service charges.

Regulatory Changes:

Changes in regulations or standards related to solar energy may require companies to invest in compliance measures or adapt their operations, resulting in higher service charges.

Labor Expenses:

Skilled labor is essential for installing, maintaining, and repairing solar systems. Increases in wages or labor costs can contribute to higher service charges for customers.

Labor Expenses:

Skilled labor is essential for installing, maintaining, and repairing solar systems. Increases in wages or labor costs can contribute to higher service charges for customers.

Inflation and Economic Factors:

General economic trends, such as inflation or fluctuations in the cost of materials and utilities, can impact operating costs for solar companies, leading to service charge adjustments.



SolaRIS

Solar For Rakyat Incentive Scheme



What is SolaRIS?

Solar For Rakyat Incentive Scheme, SolaRIS is an incentive programme launched by the Government aimed at attracting new installations of solar photovoltaic (PV) systems in residential premises. This programme supports the government's goal of increasing renewable energy capacity in the electricity supply system to 70% by the year 2050 and reducing carbon emissions.

A cash rebate of up to RM4,000 will be given to residential customers who submit Net Energy Metering (NEM) application to Sustainable Energy Development Authority (SEDA) Malaysia from 1st April 2024 onwards and successfully commission their solar PV system installations with TNB.



Who is eligible for SolaRIS?

Customers are eligible for the rebate if they fulfil the following criteria:

- TNB Residential Customers (Tariff A)
- *Exclude businesses
- Successful first-time NEM Rakyat applicants from 1 April 2024 onwards
- Malaysian citizens

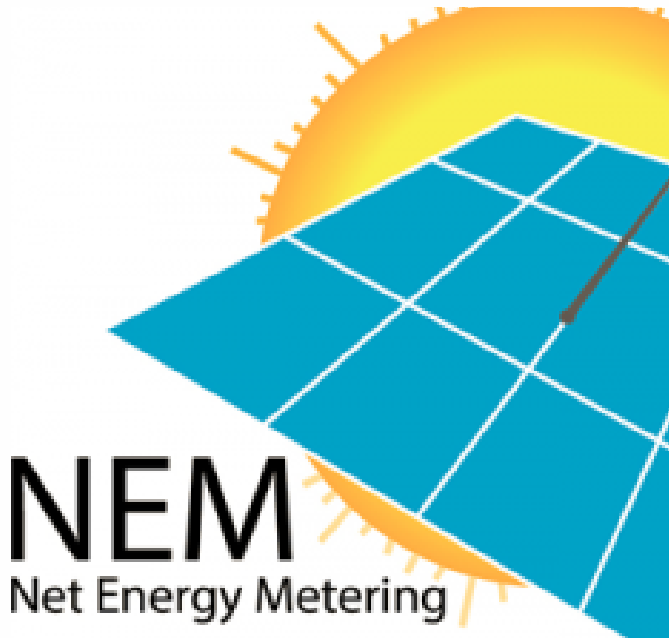
4. How much will I get for the SolaRIS rebate?

The rebate shall be based on your Declared Installed Capacity (kWac). You can check this in your NEM Rakyat Certificate. 1kWac is equivalent to RM1,000 (with capping of RM4,000).



NET ENERGY METERING

<https://www.amiya.energy/>



2016 - NEM

In Malaysia, "NEM 2016" refers to the Net Energy Metering (NEM) scheme launched to promote renewable energy, especially solar power. Introduced in 2016, NEM enables consumers to install solar panels for self-consumption and sell excess electricity to the grid, earning credits. This initiative aims to cut electricity costs, enhance energy efficiency, and advance Malaysia's sustainability goals by encouraging clean energy adoption.

2019 - NEM 2.0

"NEM 2.0" in Malaysia, launched in 2019, is the second phase of the Net Energy Metering (NEM) scheme, aimed at encouraging greater adoption of renewable energy, especially solar power. It allows consumers to install larger solar systems, generating more electricity for personal use and selling excess energy to the grid for credits. The goal is to expedite the shift to clean energy, lessen reliance on fossil fuels, and minimize environmental harm.



Rakyat Domestic	GoMEn Government Buildings	NOVA Commercial, Industrial, Agriculture and Mining Buildings
100 MW	100 MW	600 MW
1:1 (12 Months)	1:1 (12 Months)	Average SMP (1 Month)
until 31 st Dec 2023	until 31 st Dec 2023	until 31 st Dec 2023
Prevailing Gazetted Energy Rate	Prevailing Gazetted Energy Rate	Average System Marginal Price (SMP)
10 Years	10 Years	10 Years
Self-Consumption (SelCo)	Self-Consumption (SelCo)	Self-Consumption (SelCo)
Single Phase : 4kWac Three Phase : 10kWac	1 MWac	Nett offset : 1MWac Nett offset + Virtual aggregation : 5MWac
TNB registered consumer under domestic tariff		Non-domestic account holder

NOW - NEM 3.0

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PROJECT COMPLETED

17 December 2024

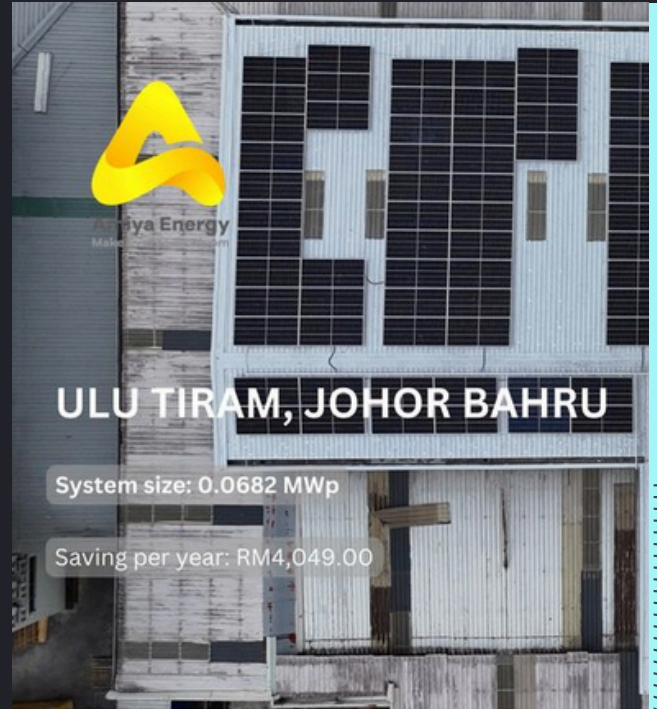
• INDUSTRIAL & COMMERCIAL



ULU TIRAM, JOHOR

Industrial & Commercial

Ulu Tiram, Johor Bahru
System size: 68.2kWp
RM4,049.00 saving/year



NUSAJAYA, JOHOR BAHRU

Industrial & Commercial

Nusajaya, Johor Bahru
System size: 61.9kWp
RM3,675.00 saving/year

More information

+60 173518138

amiya@amiya.energy

<https://www.amiya.energy/>

PROJECT COMPLETED

• INDUSTRIAL & COMMERCIAL



BUKIT PASIR JOHOR BAHRU

Industrial & Commercial

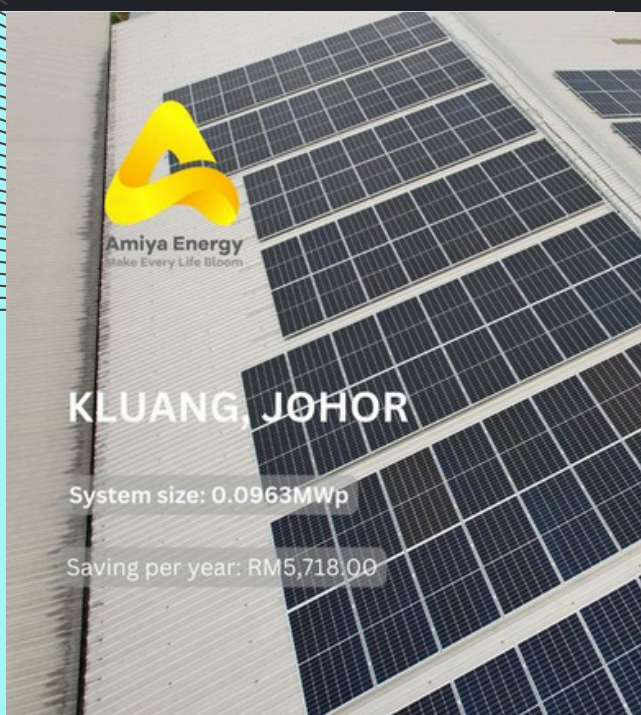
Bukit Pasir, Johor Bahru
System size: 55.8kWp
RM3,313.00 saving/year



BUKIT PASIR, JOHOR BAHRU

System size: 0.0558MWp

Saving per year: RM3,313.00



KLUANG, JOHOR

System size: 0.0963MWp

Saving per year: RM5,718.00

KLUANG, JOHOR

Industrial & Commercial

Kluang, Johor
System size: 96.3kWp
RM5,718.00 saving /tahun

More information

+60 173518138

amiya@amiya.energy

<https://www.amiya.energy/>

PROJECT COMPLETED

• RESIDENTIAL



CAAH, SEGAMAT

Residential

Chaah, Segamat
System size: 11.6kWp
RM690.00 saving/year



MUAR, JOHOR

Residential

Muar, Johor
System size: 7.3kWp
RM430.00 saving/year

More information

- +60 173518138
- amiya@amiya.energy
- <https://www.amiya.energy/>

PROJECT COMPLETED

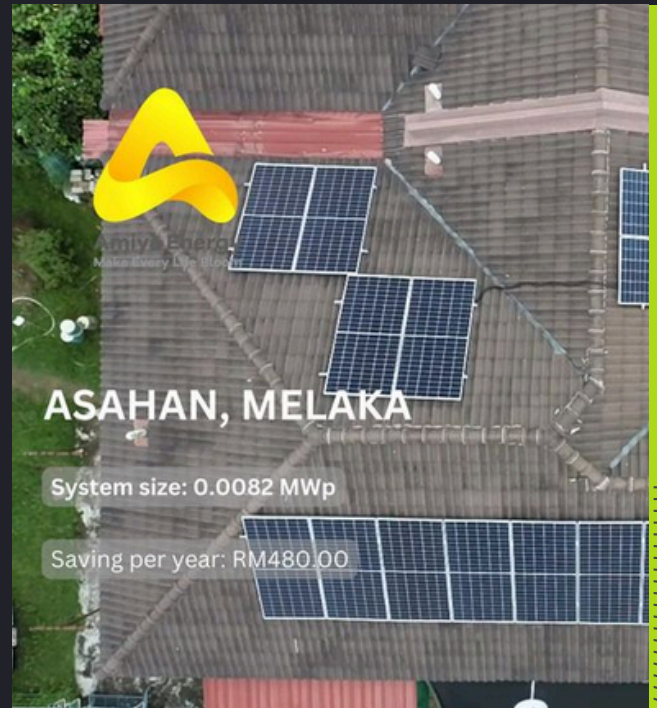
• RESIDENTIAL



ASAHAN, MELAKA

Residential

Asahan, Melaka
System size: 8.2kWp
RM480.00 saving/year



ISKANDAR PUTERI, JOHOR

Residential

Iskandar Puteri, Johor
System size: 12.9kWp
RM760.00 saving/year

More information

- +60 173518138
- amiya@amiya.energy
- <https://www.amiya.energy/>

LUNCHEON

AMIYA ENERGY & SOUTH GATE



Lunch Together?

Every month, we will hold a "Luncheon" where all staff gather to enjoy a meal together, fostering a sense of community, camaraderie, and teamwork within the organization. This event not only provides an opportunity for colleagues to relax and unwind away from their daily tasks, but also serves as a platform for informal networking and idea sharing. By coming together in a casual setting, employees can strengthen relationships, discuss new ideas, and collaborate on projects in a more relaxed atmosphere. Additionally, these luncheons often feature a variety of delicious foods, making them a much-anticipated highlight of the month.

The Contents

- An opening speech by the emcee.
- Introduction of all staff members, especially any new hires.
- A session for everyone to enjoy the provided meal.
- Speeches from the general manager and the boss.
- Presentation of news, awards, and other announcements.
- Closing remarks to conclude the event.



LUNCHEON

AMIYA ENERGY & SOUTH GATE





AMIYA ENERGY SDN BHD

SCAN



CONTACT US NOW

MAKE EVERY LIFE BLOOM

THANK YOU