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MORE Malaysians are discover-

MORE Malaysians are discover-ing the benefits of solar energy as they adopt greener and more sustainable lifestyles. Solar energy, once considered a luxury only for the wealthy or eco-enthusiasts, is fast becoming a practical and affordable ungrade for landed bomeupgrade for landed home ers.

owners. Thanks to improved access, lower entry costs and supportive government initiatives such as the Net Energy Metering (NEM) scheme, switching to solar power has never been more attractive for Malaysian homeowners. One of the bizzest draws is the

One of the biggest draws is the potential for significant monthly potential for significant monthly savings – many households with rooftop solar photovoltaic (PV) panels have reported electricity bill reductions of 30% to 50%, depending on the size of their system and overall energy usage. While the initial investment might seem steep, the long-term value is clear. Most homeowners recover

value is clear. Most homeowners recover their installation costs within six to eight years and continue to enjoy substantial savings for another 15 to 20 years after that. Beyond cost savings, solar sys-tems can also increase a proper-ty's resale value, especially in urban areas where energy-efficient features are increasingefficient features are increasingly sought after.

Understanding the NEM Scheme

Scheme The NEM scheme was intro-duced by the government for consumers to reduce their elec-tricity bills. You can generate your own electricity by installing rooftop solar PV system for your own consumption. Now in its third iteration, NEM 3.0 was introduced with new guotas and initiatives divided into categories like NEM Rakyat (for homeowners), NEM GoMEn (for government ministries and

(for government ministries and agencies), and NOVA (for com-

agencies), and NOVA (for com-mercial and industrial users). Under the NEM Rakyat scheme, any excess electricity your solar panels generate is exported to the grid. You earn credits for this, which are then used to offset energy usage from the grid – lowering your TNB bill in the process. In simpler terms, the more solar energy your system pro-

In simpler terms, the more solar energy your system pro-duces, the less you pay for elec-tricity every month. It's a win-win situation for both your wal-let and the environment. The technology behind solar PV cells has created greater effi-ciency in absorbing swilight, fur

ciency in absorbing sunlight, fur-

PV cells has created greater en-ciency in absorbing sunlight, fur-ther enhancing the solar energy capture and efficiency. With advancements in solar inverter technology, today's roof-top solar PV systems are capable of offering greater energy con-version and cost savings. These developments have made solar power accessible to a broader group of Malaysians – not just the affluent few - to become "prosumers" (producer and consumer) of green energy. Today's homeowners also benefit from: > New financing models that allow you to install rooftop solar PV with minimal upfront cost, often through monthly repay-ments.

ments.

Government incentives and rebates, which lower the overall

TIME TO SWITCH TO SOLAR

More Malaysians are embracing solar energy, recognising it as a smart investment that supports both the environment and their future



Many households with solar panels have reported monthly electricity bill reductions of 30% to 50%.

cost of going solar. > Zero-interest payment plans offered by some providers to ease the financial burden further.

the financial burden further. Ravi Kumar, a homeowner from Penang, says: "Switching to solar has been one of the best financial decisions we've made for our home. "Our electricity bill used to average RM700 a month, espe-cially with the air conditioning running constantly during the running constantly during the

running constantly during the hotter periods. "Now, it's consistently under RM50, sometimes even receiving a small credit back from TNB! The installation was smooth, and the team was incredibly professional. We're not just saving money; we're also proud to be doing our part for the envi-ronment." ronment.

For environmentally-conscious

For environmentally-conscious homeowners like Ravi, the appeal of solar extends beyond the ringgit and sen. A typical residential solar setup can reduce carbon emis-sions by several tonnes each year – the equivalent of planting dozens of trees annually.

dozens of trees annually This makes solar adoption a personal contribution to Malaysia's broader sustainability goals and its move towards a low-carbon economic w-carbon economy

Is solar right for you?

Solar solutions work best for

Solar solutions work best for landed properties with ample roof space and high daylight exposure. Next, review your monthly electricity bill over the period needed to recover the long-term investment for the solar system. > Get a professional assess-ment of your roof's solar potential: Not all roofs are created equal when it comes to created equal when it comes to solar energy.

NET ENERGY METERING CYCLE



Energy Development Authority (Seda) or other relevant bodies. > Understand the NEM applica-tion process and what incen-

To process and what incen-tives you qualify for: Malaysia's NEM scheme allows residential users to export excess electricity generated from their solar panels back to the grid for rebates or credits based on avail-able NEM quota. Recently, the government announced an additional 100MW quota for NEM Rakyat after the original allocation of 600MW was fully subscribed. Learn how the NEM applica-tion works, including eligibility requirements, documentation needed, approval timelines and integration with your electricity bill.

bill Also, explore any government rebates, tax incentives or green financing options available to reduce your upfront costs. Being well-informed about these mechanisms can signifi-cantly improve the return on your solar investment.

Learn more about how Net Energy Metering by scanning the QR code



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timelines and after-sales service

Check if the providers are regis-tered under the Sustainable