

# **Successful bid price of Solar Panel project in Malaysia 2025**





## Overview

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The new electricity tariff structure implemented July 1, 2025, combined with enhanced Self-Consumption (SelCo) programme benefits, has made solar panel installation in Malaysia more attractive than ever. This shift is driving unprecedented adoption rates across the country, supported by improved.

This blog post breaks down the real pricing, what affects solar panel costs, available government incentives, and the return on investment (ROI) you can expect in 2025. What is the Average Cost of Solar Panels in Malaysia?

The average cost to install a residential solar system in Malaysia ranges.

THE fifth round of the large-scale solar programme, of which the winners will be announced as early as November, received the lowest bidding prices ever under the competitive bidding programme that was first started in 2016, sources say. The tender for LSS5 opened in April this year and closed in.

Key catalysts include RM2.4b in EPCC contracts from the 800MW Corporate Green Power Programme (CGPP), with earnings recognition beginning in 1QCY25, and RM5b in LSS5 EPCC contracts set to be awarded in the same period, as the successful bids—reportedly already decided—are gradually being disclosed.

Kuala Lumpur – Malaysia’s solar energy sector is set for a banner year in 2025, driven by rising electricity costs, corporate sustainability commitments, and robust government initiatives. Solar engineering, procurement,



construction, and commissioning (EPCC) players are expected to see their order.

This includes the continuation of the Green Technology Financing Scheme (GTFS) with a substantial funding amount of RM1 billion up to the year 2026, which is intended to foster a thriving renewable energy sector in Malaysia. Additionally, Budget 2025 allocates over RM300 million under the National. Are solar panels rethinking energy strategies in Malaysia in 2025?

As solar panel prices in Malaysia reach historic lows, businesses and homeowners are rethinking their energy strategies in 2025. The new electricity tariff structure implemented July 1, 2025, combined with enhanced Self-Consumption (SelCo) programme benefits, has made solar panel installation in Malaysia more attractive than ever.

How much does a residential solar system cost in Malaysia?

The average cost to install a residential solar system in Malaysia ranges from:

Monthly Bill Range (RM)	Capacity (kWp)	Estimated Cost (RM)	Payback Period (Years)
RM300-RM600	6.0-9.0	RM24,000 – RM28,000	5-7 years
RM600-RM1,000	9.0-14.0	RM28,000 – RM36,000	3-5 years
RM1,000 above	14.0-18.0	RM36,000 – RM42,000+	Less than 3 years.

Why are solar panel prices falling in 2025?

The downward trend in solar panel prices stems from multiple market forces converging in 2025. These changes are reshaping the industry's cost structure and making solar more accessible than ever before. As global manufacturing capacity approaches 1.8TW in 2025, businesses benefit from significant cost reductions through:

How much will solar panels cost in 2021?

When the winners for LSS4 were announced in March 2021 — with the lowest winning bid being 17.68 sen per kWh — some industry observers had estimated that solar panel prices could drop further, to as low as 12 US cents (51.65 sen) per watt from around 20 US cents per watt during the bidding period.

Why are solar panels so expensive in 2022?

“Over the last 10 years, the cost of solar panels has been on a declining trend. But, in 2022, the price of solar panels rebounded due to supply chain issues



and increasing demand, especially from China,” Samaiden Group Bhd group managing director Datuk Chow Pui Hee tells The Edge.

Which solar panels are best in Malaysia?

Tip: Typically, the larger the solar system, the faster the payback period (ROI). Solar Panel Brand Top brands in Malaysia include Jinko, Trina, Longi, and JA Solar. Premium panels offer better warranties, higher efficiency, newer technology, and a longer brand history.



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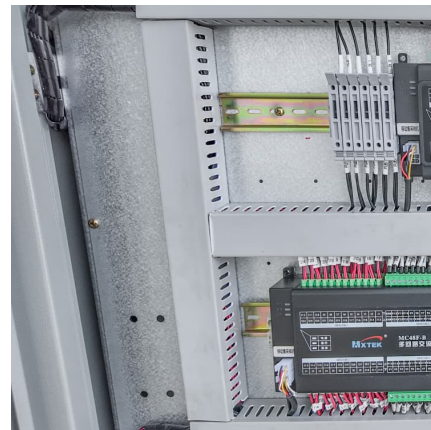


### ROADMAP TO MALAYSIA'S ENERGY FUTURE

As Malaysia accelerates its shift to a low-carbon future, TNB leads the way with major energy transition initiatives that invite consumers to be part of the solution.

### [Powering Malaysia's future: Solar growth amid challenges](#)

In the solar sector, Budget 2025's allocation for NETR will be raised to RM300 million from RM100 million this year. Additional incentives will encourage more premises to adopt solar ...



### 2025 Solar Energy Trends: Key Insights , Eco Green Energy

Discover key solar energy trends for 2025, including high-efficiency panels, BESS, and PV Prices. Learn how to optimize solar projects and increase profitability.

### Renewable energy to power 2025

Additionally, the recent United States-imposed tariffs on solar panel imports from China and four South-East Asian countries, namely, Malaysia, Cambodia, Vietnam and Thailand, may create



price

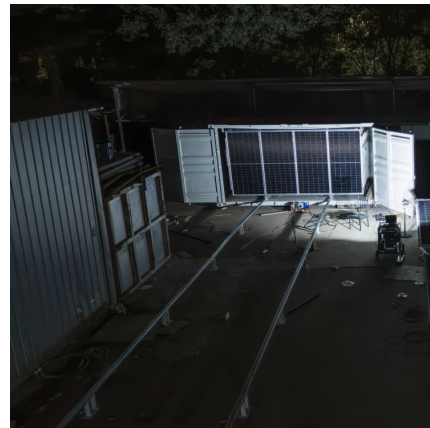


### [Solar Energy Services in Malaysia: Post-NEM 3.0](#)

An up-to-date July 2025 guide to Malaysia's solar-energy services after the close of NEM 3.0--covering SelCo, LSS tenders, rebates, service categories and tips for choosing the right provider.

### Renewable energy to power 2025

"The Energy Commission (EC) recently informed shortlisted bidders for the two GW projects under the LSS5 programme and expects EPCC contracts to be awarded from the second half ...



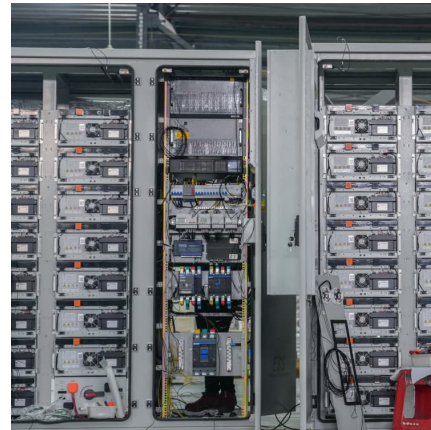
### [New LSS projects to fuel up to RM18bil contracts](#)

KUALA LUMPUR: Malaysia's upcoming large-scale solar (LSS) projects, including LSS5, LSS5+, and LSS6, are projected to unlock contracts valued between RM15 billion and RM18 billion over the next 24 months, driving robust ...



### [Sabah awards 199MW solar projects to 15 bidders](#)

KOTA KINABALU: The Sabah Energy Council (MTC) today (Dec 12) approved the award of large scale solar (LSS) projects to 15 bidders as part of an ambitious plan to reduce dependence on fuel subsidies.



### [SolarGuide Malaysia , Compare Price , Save your ...](#)

Find the best solar panels for your home in Malaysia. Compare price and get extra RM200 exclusive cashback! Start saving on your TNB bills today with SolarGuide!

### **The Real Cost of Installing Solar Panels in Malaysia (2025 Updated)**

Discover the real cost of installing solar panels in Malaysia in 2025. Learn about pricing, incentives, and ROI for solar panels in Malaysia today.



### [Global PV Module Market Analysis and 2025 Outlook](#)

PV modules are the central component of the solar industry. This analysis reviews market conditions that affect solar panel pricing and availability.



### [Malaysia SelCo Program 2025: What Are The Benefits](#)

The Malaysian government has recently announced transformative improvement for the Solar Energy Self-Consumption (SelCo) programme, aiming to empower corporations, industries, and agricultural ...



### [Large Scale Solar in Malaysia: What You Need to Know](#)

Learn how large-scale solar in Malaysia is shaping the energy sector. Discover its benefits, challenges, and future potential in clean energy.

### [Energy Commission says LSS5 bids finalised but ...](#)

With the track record of project delivery by solar farm players, and the experience gained in dealing with panel prices fluctuations, the government is in a good position to roll-out more solar projects at the best ...





### [Record-low prices expected for LSS5 as solar panels ...](#)

It is anybody's guess whether the solar panel prices will stay at their record low or trend higher, amid the consolidation of solar panel manufacturers. Hopefully, LSS5 winners will not get caught by unexpected ...

### [2025 Solar Energy Trends: Key Insights , Eco Green ...](#)

Discover key solar energy trends for 2025, including high-efficiency panels, BESS, and PV Prices. Learn how to optimize solar projects and increase profitability.



### [LSS5: Malaysia's route to a greener future](#)

THE Fifth Large Scale Solar (LSS5) programme is set to transform Malaysia's renewable energy (RE) landscape, offering a substantial 2,000MW solar quota.

### [LSS programme back with 2GW quota, up to 500MW ...](#)

LSS programmes had seen a lull since its fourth awards in 2021, amid project hiccups due to sharp jump in solar panel prices which affected execution of projects won by some bidders who bid at too competitive tariffs at ...



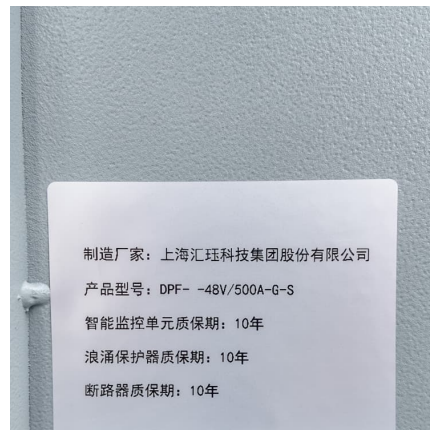
### [Malaysia opens tender for 2 GW of new solar capacities](#)

The remaining 500-MW quota is reserved for floating solar systems, with individual project sizes spanning 10 MW to 500 MW. Successful projects are expected to become operational in 2027. Eligible applicants ...



### [LSS6 and BESS: The Next Big Leap in Malaysia's ...](#)

The government's LSS6 initiative, set to open for bidding in Q2 2025, offers a great opportunity for companies looking to invest in large-scale solar farms. Following the success of LSS5, this new round is expected to add ...



### **BESS programme: A game changer for the Malaysian energy ...**

IN a bid to accelerate the adoption of renewable energy (RE) and ahead of the upcoming fifth large-scale solar (LSS5) programme, the government has opened up the ...





### [Malaysia opens bidding for 2 GW of large-scale solar](#)

Malaysia's Energy Commission has launched an open tender seeking 2 GW of large-scale solar projects, with capacities ranging from 10 MW to 500 MW, to support the nation's clean energy transition.

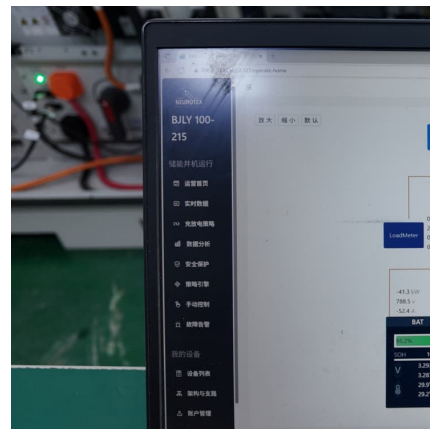


### [Malaysia Renewable Energy bids and eProcurement](#)

Renewable Energy bids and RFP from Malaysia  
View Renewable Energy government contracts and RFPs from Malaysia. Bid on readily available Renewable Energy ...

### Malaysia's solar sector on the rise

6 ???· The government of Malaysia opened bids for an estimated RM2 billion (US\$477 million) worth of projects under the third round of the Large-Scale Solar (LSS3) scheme in February, and speaking to local media last month after the ...



### [How Much Do Solar Panel Cost in Malaysia \(2025\)](#)

The cheapest is usually not the right solar panel for you! If you're thinking about installing solar panels, one of the most important things to know is how much solar panels cost and whether they're worth it. The price of your ...



### **Rising Electricity Costs Propel Malaysia's Solar Sector to Record ...**

The confluence of rising electricity costs, sustainability commitments, and declining solar panel prices has positioned Malaysia's solar energy sector for record growth in ...



### **20 energy companies bid for the national-scale solar battery grid**

The government could build a national-scale power supply system that uses electricity from sustainable sources, particularly solar. This is not surprising because Malaysia ...



### **LSS - Renewable Energy Malaysia**

Large Scale Solar or known as LSS is a competitive bidding programme to drive down the Levelized Cost of Energy (LCOE) for the development of large scale solar photovoltaic plant ...





[Energy Commission opens LSS5 up for bidding.](#)

The Ministry of Energy Transition and Water Transformation has kicked off the bidding process for the fifth round of the Large Scale Solar programme (LSS5) or LSS-Peralihan Tenaga SuRiA, offering a total ...

**Government Incentives for Solar Energy in Malaysia (2025 Update)**

Explore Malaysia's 2025 solar incentives--NEM 3.0, GITA, GITE & GTFS--designed to cut costs, boost ROI, and support clean energy adoption.



[EC kicks off biggest large-scale solar tender to date](#)

This article first appeared in The Edge Malaysia Weekly on April 8, 2024 - April 14, 2024 THE bidding process for the much-anticipated fifth round of the Large Scale Solar programme (LSS5) or LSS-Peralihan Tenaga SuRiA ...



[Malaysia's Large-Scale Solar Projects Set to Unlock ...](#)

Malaysia's large-scale solar (LSS) projects, including LSS5, LSS5+, and LSS6, are expected to generate contracts worth between RM15 billion and RM18 billion over the next two years, driving significant activity in ...



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