
ASEAN International Installs Solar Air Conditioners

How much energy does air conditioning use in ASEAN?

According to the ASEAN Centre for Energy's 8th ASEAN Energy Outlook, air conditioning alone is expected to consume over 29.7 million tonnes of oil equivalent (Mtoe) of energy by 2050, or almost 40% of the energy required by the region's commercial sector.

How many air conditioners are in the ASEAN region?

Today, the ASEAN Regional Policy Roadmap for Energy Efficient Room Air Conditioners (2022-2025) indicates that Air conditioner ownership in the ASEAN region is projected to increase significantly, with estimates suggesting that the number of units will grow from nearly 50 million in 2020 to approximately 300 million by 2040.

Will ASEAN air conditioner ownership continue to grow?

With continued economic development and population growth across the region, the International Energy Agency (IEA) projects that air conditioner ownership across the ASEAN Member States (AMS) will continue to grow.

Will ASEAN achieve CSPF 6 by 2030?

In response, ASEAN has adopted increasingly stringent Minimum Energy Performance Standards (MEPS) for room air conditioners, aiming to reach a regional benchmark of CSPF 6.09 by 2030. While countries like Singapore lead in implementation, others face challenges in manufacturing readiness and affordability.

Discover solar-powered air conditioners' benefits and considerations. Learn how to calculate solar panel needs and make an eco-friendly choice for your home.

The ASEAN region is experiencing a sharp rise in cooling demand, with air conditioner energy consumption projected to reach 35.5 MTOE by 2050. In response, ASEAN ...

MALAYSIA: A 5.2MW solar power generation system installed at Panasonic's air conditioning factory in Malaysia is expected to provide ...

It sets ambitious milestones for space cooling technologies, including air conditioners and fans, that can help guide the ambitions outlined in this roadmap and ...

In order to achieve sustainable and efficient cooling, policies should aim to transform the market to make the sale of inefficient air ...

Market research reports suggest that the market of hybrid solar air conditioner is growing due to increasing environmental awareness and ...

ASEAN SHINE, the Best and Effective Platform for EE Initiative in ASEAN, is a public-private partnership between the United Nations Environment Programme (UN ...

ASEAN Air Conditioners Market was valued at USD 5.58 billion in 2023 and is anticipated to grow USD 8.46 billion by 2029 with a CAGR of 7.24% during the forecast period.

First Regional Workshop- ASEAN Cool Initiative To build coordination and collaboration, share knowledge and experiences and raise awareness amongst the ASEAN ...

This report has been produced as part of the ASEAN-SHINE program. ASEAN-SHINE is an initiative implemented by the International Copper Association, in partnership with ...

This study supports the effort of the Association of Southeast Asian Nations (ASEAN) to improve and harmonize AC energy-efficiency standards by adopting CSPF in ...

Figure 1. Comparison of Green Building Certification A comparison table (see image above) of the certifications used in several ASEAN Member States and international ...

Solar air conditioners are entirely self-contained which means they don't depend on a power utility company. So, regardless of the space, location or external conditions of the building, when ...

When it comes to cooling your space sustainably, solar-powered air conditioners offer a compelling solution. These units harness renewable energy to deliver efficient climate ...

Our company mainly manufacture solar air conditioner, normal air conditioner, elevator air conditioner and heat pump water heater.

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