

# **ASEAN EK Solar Air Conditioner Sample**





## Overview

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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.

Where can I find ASEAN energy-efficient air conditioner results?

The results for each ASEAN member states is available on the U4E Website, along with a summary in Figure E1 and E2. Figure E1. ASEAN Savings Potential of Energy-Efficient Air Conditioners (Three Scenarios) Figure E2. ASEAN Savings Potential of Energy Efficient Air Conditioners (By Country).

What is the demand for air conditioner in ASEAN in 2050?

The residential sector in ASEAN is highly dependent on cooling as a primary energy use along with cooking, making up about 82% of the sector's demand in 2050. Air conditioner (AC) is one of the cooling appliances in ASEAN that will drive energy demand growth in ASEAN.

Why should ASEAN standards be harmonised for air conditioner testing?

The specific objective of this project is to harmonize standards for testing methods for air conditioners among ASEAN Member States, as the necessary preliminary step towards achieving the long-term objectives under the ASEAN Plan of Action for Energy Cooperation 2016-2025.



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### [STANDARD HARMONISATION FOR AIR CONDITIONER ...](#)

Mar 23, 2023 · The specific objective of this project is to harmonize standards for testing methods for air conditioners among ASEAN Member States, as the necessary preliminary step towards ...

### [Pathways to Prevent Dumping of Climate Conditioners in ...](#)

Sep 4, 2023 · The widespread availability and affordability of energy efficient RACs will be pivotal to reduce the impact of these air conditioners on national electricity grids and the climate. ...



### [ASEAN's Path to Harmonised Air Conditioner Standards: ...](#)

May 19, 2025 · ASEAN boosts air conditioner efficiency with stricter MEPS to meet rising cooling demand, cut emissions, and support sustainable energy goals by 2050.

### [Assessing the Impact of ASEAN's Harmonised Minimum ...](#)

May 7, 2025 · The residential sector in ASEAN is highly dependent on cooling as a primary energy use along with cooking, making up about 82% of the sector's demand in 2050. Air ...



### [Executive summary - Roadmap towards ...](#)

Dec 3, 2025 · Air conditioner stock across ASEAN is projected to grow from nearly 50 million units in 2020 up to 300 million units in 2040. This could ...

### [Harmonizing of Energy-Efficiency Standards for Room ...](#)

Jul 22, 2022 · 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 ...



### [Executive summary - Roadmap towards Sustainable and ...](#)

Dec 3, 2025 · Air conditioner stock across ASEAN is projected to grow from nearly 50 million units in 2020 up to 300 million units in 2040. This could see electricity demand from space cooling in ...



## ASEAN Energy Efficiency Landscape for Air Conditioners

Nov 1, 2024 · First Regional Workshop- ASEAN Cool Initiative To build coordination and collaboration, share knowledge and experiences and raise awareness amongst the ASEAN ...



## Unlocking Access to Greater Cooling Efficiency and Next ...

Nov 29, 2023 · Unlocking Access to Greater Cooling Efficiency and Next-Generation Refrigerants: Findings of a CLASP Study on Room Air Conditioners in Southeast Asia 18 October 2023 ...

## **Harmonizing Energy-Efficiency Standards for Room Air Conditioners**

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Aug 23, 2024 · 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 ...



## **Experimental investigation of a solar-assisted air conditioning ...**

Aug 1, 2023 · In this study, the effect of air conditioners (ACs) on reducing energy consumption in the case of supporting AC systems used in residential air conditioning with solar energy from ...



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