

## PEES Power Systems

# Cost price of hydrogen energy stations in Thailand



### Battery String-S224

- 1C Charge/Discharge
- Easy configuration and maintenance
- Power supply can be single battery string or parallel battery strings

## Overview

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Green hydrogen now costs 280 to 340 baht per kilogramme. To compete with diesel, it must drop to around 200. Domestic demand is still weak too, as Thailand lacks both infrastructure and clear policy direction. The. According to Deloitte's Global Hydrogen Outlook 2023, Green hydrogen is the key to achieving global net-zero greenhouse gas emissions by 2050, with production projected to reach 172 million tons/year by 2030 and 598 million tons per year by 2050. This map has been developed in the framework of the report. However, hydrogen-gas blending will not be the most cost-effective decarbonization pathway for Thailand, according to BNEF analysis. Direct renewable energy use is a far more. (Now: emit around 372 MtCO<sub>2</sub>-e in 2019). Sasol plans to build a charging station in South Africa to test the viability of fuel-cell powered heavy duty vehicles. ASEAN countries have also set targets for carbon neutrality and are expected to accelerate the adoption of renewable energy, energy efficiency measures, and the establishment of hydrogen and ammonia supply ity between ASEAN and Japan are gaining.

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### INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



### Southeast Asia map of hydrogen production costs

This documentation is intended to provide guidance on how the levelised cost of hydrogen (LCOH) is modelled in the Southeast Asia map of hydrogen production costs, a digital tool developed in-house ...

### Carbon Capture and Hydrogen: The Last Pieces to Net Zero

Capturing one tonne of carbon can cost anywhere between 15 and 120 dollars depending on the emission source. Without tax incentives from the government, CCUS would be too ...



### Hydrogen Stations in thailand, Map and List

All information about hydrogen filling stations in thailand with location, prices and opening hours.

## Thailand Green Hydrogen Market Size and Forecasts 2030

Despite falling costs, green hydrogen remains more expensive than gray or blue hydrogen. Storage, transport, and refueling infrastructure are underdeveloped, limiting accessibility. ...



## Industrial Hydrogen Price , Thailand , Intratec

Access costs and prices of Industrial Hydrogen in Thailand, covering historical series and short-term forecasts. Free preview available.

## Thailand Hydrogen Strategy & Roadmap

All slides are taken from the EPPO, Thailand which was co-initiated by ERI-CU and ERDI-CMU



## Thailand: Turning Point for a Net-Zero Power Grid

BNEF's analysis shows that green hydrogen production in Thailand, powered by hydroelectricity imported

from Laos, would be the cheapest clean hydrogen source for Thailand.



## Green hydrogen and the challenges for Thailand

The report estimates the levelized cost of green hydrogen (LCOH) at \$3.1/kg in 2025 and \$1.9/kg in 2050, while the levelized cost of grey hydrogen is \$1.7/kg in 2025 and \$2.8/kg in 2050.



## Hydrogen market research in Malaysia and Thailand

Expectations for Japan's contribution are growing. In Thailand, initiatives such as Hydrogen Thailand have been launched, and tangible progress is anticipated in the near future. Malaysia has also seen the ...

## Thailand's Hydrogen Market Report 2025

Prices varied noticeably by country of origin: amid the top importers, the

country with the highest price was the United States (\$X per cubic meter), while the price for China (\$X per thousand ...



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