

## European Solar and Energy Storage Solutions

# Myanmar pes energy system



## Overview

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What is the Myanmar power system efficiency and Resilience Project?

The Myanmar Power System Efficiency and Resilience Project will finance the upgrade to the Ywama gas-fired power plant, improving the availability and reliability of electricity services to consumers in the Yangon region.

How can Myanmar improve its power system?

Rebuilding Myanmar's power system will require establishing trust to develop the power sector. Developing solar PV can add incremental generating capacity in a relatively fast manner.

How much power does Myanmar produce?

In the power sector, Myanmar has 5,848 megawatts (MW) of installed generation capacity, and produced almost 22 terawatt-hours (TWh) of electricity in 2018. In the same year, thermal power (coal, natural gas, and oil) accounted for 44% of total electricity generation and hydropower accounted for 56%. Table 12.1.

Who manages Myanmar's energy sector?

Myanmar's energy sector is managed by the Ministry of Electric Power (MOEP) and the Ministry of Energy (MOE), which together account for over one-third of public sector revenue. Before May 2022, the two ministries operated under one single Ministry of Electricity and Energy (MOEE).

Does Myanmar have a power plant plan?

Myanmar's yearly plan for the construction of power plants from 2018 to 2022 (Table 12.2) mostly covers gas-based power plants (including liquefied natural gas), along with some hydropower and solar power plants. The yearly plan excludes coal-based power plants, of which the country currently has 120 MW of installed capacity.

What are the key challenges in Myanmar's power sector?

**Key Challenges in the Power Sector** Myanmar's power sector expanded rapidly during the past decade, relying on natural gas and hydropower to meet fast-growing electricity demands. The total installed generating capacity increased from about 2,800 MW in 2010 to 7,100 MW in 2022.

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### Myanmar Energy Statistics 2019

This project and publication have greatly enhanced energy policy planning in Myanmar. To ensure the sustainability of the Project, the OGD will establish a systematic collection of energy data from the electricity sector, Myanmar Oil and Gas Enterprise (MOGE), Myanmar Petrochemical Enterprise, Myanmar Petroleum Products Enterprise, and other

### Myanmar Power Sector Review Jun 2023

Myanmar's power sector will likely continue to experience significant challenges. To sustain the current level of power supply would require adding 300-500 MW every year until 2030. Scenario analysis on the power supply-demand gap illustrates that available generating capacity is projected to not meet the growing demand.



**LPR Series 19  
Rack Mounted**



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### Independent solar photovoltaic

## with Energy Storage Systems

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While Myanmar has abundant solar potentials, the installed capacity of solar energy is at the marginal level of 116 kW [20], [21]. 60% of the land area in Myanmar has potential to generate solar energy with Global Horizontal Irradiation (GHI) levels of between 1600 and 2000 kWh/m<sup>2</sup>/yr, and average Direct Normal Irradiation (DNI) levels of about 1400 ...



## Worldwide Power & Electrical Equipment Exhibitions, Shows, Fairs

Solar Energy Systems Conference 2025  
6th Solar Energy Systems Conference Dates: TBD Venue: TBD, TBD, TBD: STORENERGY congress 2025  
STORENERGY congress Dates: TBD Venue: Messe Offenburg-Ortenau GmbH, Offenburg, Germany:  
DPSP APAC 2025: 25 days left  
18th International Conference on Developments in Power System Protection 1/8/2025 - ...

## 3t Drilling Systems Partners with PNI Training Centre to Transform

2 ???· 3t Drilling Systems partners with PNI Training Centre to deliver the state-of-the-art KraneSIM:6000 simulator, transforming offshore crane training in Norway. This collaboration elevates PNI's training capabilities with cutting-edge technology, setting new offshore energy and marine operations standards. "The KraneSIM:6000 will deliver immediate and significant ...



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## INTERNATIONAL DEVELOPMENT ...

REPUBLIC OF THE UNION OF MYANMAR FOR A POWER SYSTEM EFFICIENCY AND RESILIENCE PROJECT May 7, 2020 Energy and Extractives Global Practice East Asia and Pacific Region This document has a restricted distribution and may be used by recipients only in the performance of their official duties.

## Energy Storage System

Welcome to the forefront of sustainable energy solutions with Fortis Myanmar Technology's cutting-edge Energy Storage System (ESS). In our commitment to revolutionizing the energy landscape, we understand the pivotal role that energy storage plays in ensuring uninterrupted power supply, especially in hybrid solar installations.



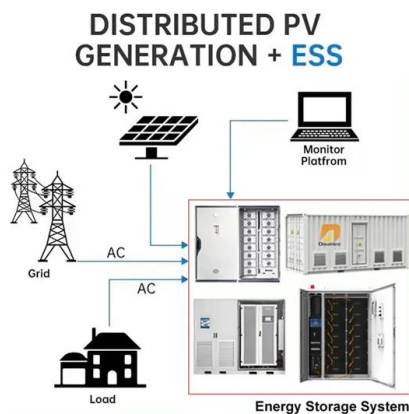
## Myanmar: Power System Efficiency Project Brings Country Closer ...

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## Home

For the Inaugural IEEE PES ENERGY & POLICY FORUM 14-17 April 2025, Washington D.C. The IEEE Power and Energy Society (PES) Energy and Policy Forum aims to provide a platform for discussion, analysis, and collaboration on issues related to the power grid and energy policy, regulations, sustainability, resilience, and

innovation. The Forum seeks to bring [...]



## Myanmar Country Report

Myanmar is endowed with rich natural resources for producing commercial energy. Currently, the available energy sources in Myanmar are crude oil, natural gas, hydropower, biomass, and coal. Wind energy, solar, geothermal, bioethanol, biodiesel, and ...

## Power generation , Myanmar Energy Monitor

Myanmar Energy Monitor / Companies / Power and electricity / Power generation Power generation. A Company . Active Business Consolidation Service (ABCT) KYOCERA Communication Systems Kinetic Myanmar (KCKM) Manaung Public Company. Mandalay Yoma. Mango Energy. Marubeni Corporation. MAXpower (Navigat Energy) MCM Pacific. MCM Power.



## Myanmar: Energy Sector Initial Assessment

Cooperation, the energy component of which has provided fragmented information on Myanmar's power supply system and its generation and transmission plans. Myanmar's energy sector,



though, involves much more than regional cooperation in electricity generation and supply via hydropower. As described

## Myanmar - ASEAN Energy Database System (AEDS)

Myanmar occupies a total area of 676,590 km<sup>2</sup> and is located in the northwest of Southeast Asia, sharing a border with Bangladesh, China, India, Lao PDR and Thailand. With population reached 53.71 million people Myanmar GDP (PPP constant price 2011) reached the point of USD 274.2 billion in 2018 that is growing 6.8% annually [1].



## IEEE PES Technical Committee on Energy Internet

TC-ESSB, 2023 IEEE PES General Meeting, Panel Session "Energy Storage Integration for Power System" Invited by North American TC-ESSB to participate in the 2023 IEEE PES General Meeting, host Panel Session "Energy Storage Integration for Power System" Attending ESSB conferences

## MYANMAR COUNTRY REPORT

energy sources found in the country. Myanmar's proven energy reserves in 2017 comprised 105 million barrels of oil, 6.58 trillion cubic feet of gas, and 542.56 million metric tons of coal. The country is a net exporter of energy, exporting substantial amounts of natural gas and coal to

neighbouring countries.



## Myanmar

Energy system of Myanmar In Myanmar, a steep increase in the share of gas-fired power generation reflects a push to take advantage of its abundant domestic resources. The country however has ample scope to rely on renewables in its electrification strategy.

## Wind

enwitec, one of the leading providers of system technology for photovoltaic systems, is expanding its product range with two revolutionary new products: the PowerShield 500 and the PowerShield Pro 1100. These innovative solutions offer comprehensive grid and system protection for PV systems and set new standards in the industry.



## UTC Aerospace to continue work on UUV energy-dense PES propulsion system

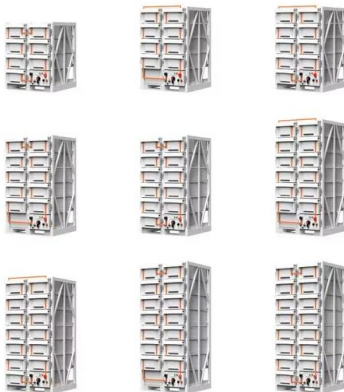
During the previous development phase, the PES system was successfully tested for over 30 hours using an integrated cryogenic reactant system and fuel cell power plant. This provided 42kWh of energy over a power range of 100W to 3800W.



The system features a qualified fuel cell stack design, simple balance of plant and dense reactant storage.

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## FOREST RESOURCES SECTOR REPORT

Myanmar's forest and timber sector has been central to the country's economy and society, particularly over the last century. Myanmar's forests contain some of the most valued species in the world--particularly rosewood, ironwood, and teak. Myanmar also has one of the most longstanding forest management systems in the tropics.

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