

[Top Stories](#)[Latest News](#)[Discover](#)[Singapore](#)[Asia](#)[Commentary](#)[Sustainability](#)[CNA Insider](#)

ADVERTISEMENT

Singapore

Singapore deploys energy storage systems to help maintain reliable source of solar power supply



Singapore's first utility-scale energy storage system was deployed in October 2020. (Photo: Energy Market Authority)

22 Oct 2020 09:53PM | (Updated: 04 May 2021 04:55PM)





[Top Stories](#) [Latest News](#) [Discover](#) [Singapore](#) [Asia](#) [Commentary](#) [Sustainability](#) [CNA Insider](#)

said the authority in a press release.

ADVERTISEMENT

"Solar is the most viable renewable energy source for Singapore," said EMA.

However, solar energy faces intermittency challenges due to cloud cover and rain in Singapore's tropical climate.

These challenges can be mitigated with the energy storage system, which enables the storage of solar energy for later use.

[READ: As the buying and selling of solar energy becomes reality, Singapore could gain further ground on solar target](#)

"The fast response nature of ESS will also help to maintain a reliable source of power supply when solar installations are affected by weather changes.

ADVERTISEMENT

"These advantages are key enablers for Singapore to maximise solar as one of the four switches in Singapore's Energy Story," said EMA.

The energy storage system will participate in the wholesale electricity market to mitigate intermittency and reduce peak demand.

It will also provide insights into the performance of energy storage systems in Singapore's hot and humid environment, and aid in establishing technical guidelines, the authority said.

[Top Stories](#) [Latest News](#) [Discover](#) [Singapore](#) [Asia](#) [Commentary](#) [Sustainability](#) [CNA Insider](#)

Singapore's first utility-scale energy storage system was deployed in October 2020. (Photo: Energy Market Authority)

READ: Singapore sets solar energy target for 2030 that would provide enough power for 350,000 homes

"This is critical in supporting Singapore's target of at least 2 gigawatt-peak of solar deployment by 2030," EMA Chief Executive Ngiam Shih Chun said.

ADVERTISEMENT

"The deployment of ESS, designed for local conditions, will enable us to incorporate a greater amount of renewables and other sustainable energy solutions into our electricity grid," SP Group CEO Stanley Huang said.

The energy storage system was jointly funded by EMA and SP Group, and implemented by a consortium comprising local solar energy firm Sunseap Energy Ventures, Nanyang Technological University and Finnish energy solutions provider Wartsila.

On Thursday, EMA also announced the deployment of distributed energy storage systems at electrical switchrooms for five HDB blocks in Punggol.



[Top Stories](#) [Latest News](#) [Discover](#) [Singapore](#) [Asia](#) [Commentary](#) [Sustainability](#) [CNA Insider](#)

ADVERTISEMENT

Source: CNA/dv(hs)

Related Topics

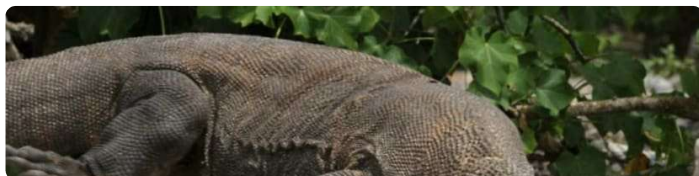
climate change

EMA

sustainability

ADVERTISEMENT

Also worth reading



'Endangered' status puts spotlight on Komodo dragon protection as Indonesia government defends upgrade...



Jeff Bezos lays out next steps for his US\$10 billion earth pledge



Reliability must be foundation of Singapore's transport system, says Iswaran



Food waste lockers to be installed at selected HDB blocks in Ang Mo Kio-Toa Payoh sector

Recommended by





Top Stories

Latest News

Discover

Singapore

Asia

Commentary

Sustainability

CNA Insider

Creators Of Online Courses

Homage

It's the little things: Supporting small businesses through big changes

Boom Times Continue in Miami, With a New Flock of Developments Ready to Launch Sales

Mansion Global

ADVERTISEMENT

CNA Sections

- Asia
- Business
- Lifestyle
- CNA938 Live
- Interactives
- Sport
- Special Reports
- Singapore
- CNA Insider
- Luxury
- Commentary
- Live TV
- World

About CNA

- About Us
- Contact Us
- Advertise With Us
- Hotel Partners



[Top Stories](#) [Latest News](#) [Discover](#) [Singapore](#) [Asia](#) [Commentary](#) [Sustainability](#) [CNA Insider](#)

Choose a newsletter



Enter email address

[Subscribe Now](#)

This service is not intended for persons residing in the E.U. By clicking subscribe, I agree to receive news updates and promotional material from Mediacorp and Mediacorp's partners.

Follow our news



Copyright© Mediacorp 2021. Mediacorp Pte Ltd. All rights reserved.

[Privacy Policy](#)