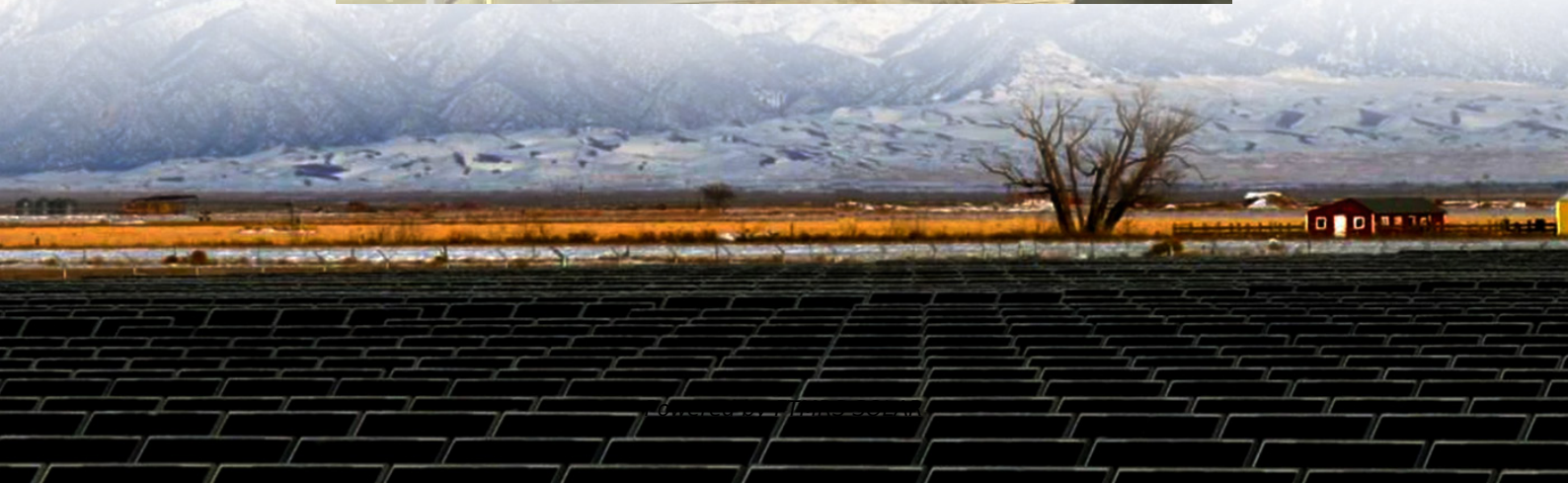


Single-phase solar container used in rural areas of Kuala Lumpur





Overview

Is solar energy a solution for rural areas in Malaysia?

by AZALEA AZUAR & HIDAYATH HISHAM RURAL areas often lack access to basic needs such as clean electricity but with Malaysia's all-year-round sunlight, renewable solar energy is a solution. One of the National Energy Policy 2022 to 2024's (NEP) initiatives is to supply electricity to rural areas to improve the communities' socio-economic activities.

Why are solar panels not being used in Sabah & Sarawak?

One of the National Energy Policy 2022 to 2024's (NEP) initiatives is to supply electricity to rural areas to improve the communities' socio-economic activities. However, solar panel maintenance and replacement works result in specific targets not being met, particularly in Sabah and Sarawak, due to the vast size of the regions.

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Mobile solar containers have excellent mobility and are particularly suitable for use in rural or remote areas with limited electricity usage. Off-grid solar power systems are a popular choice for remote homes as they provide a reliable source of electricity without being tethered to the grid.

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Abol Ismail has been using solar power in his home in Sabah for the past 20 years. He also has experience setting up solar panels in rural areas. However, he admitted that it is very costly to do so. A household in rural areas generally requires 2,000 watts of solar panels, which cost RM7,500 without the battery.



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