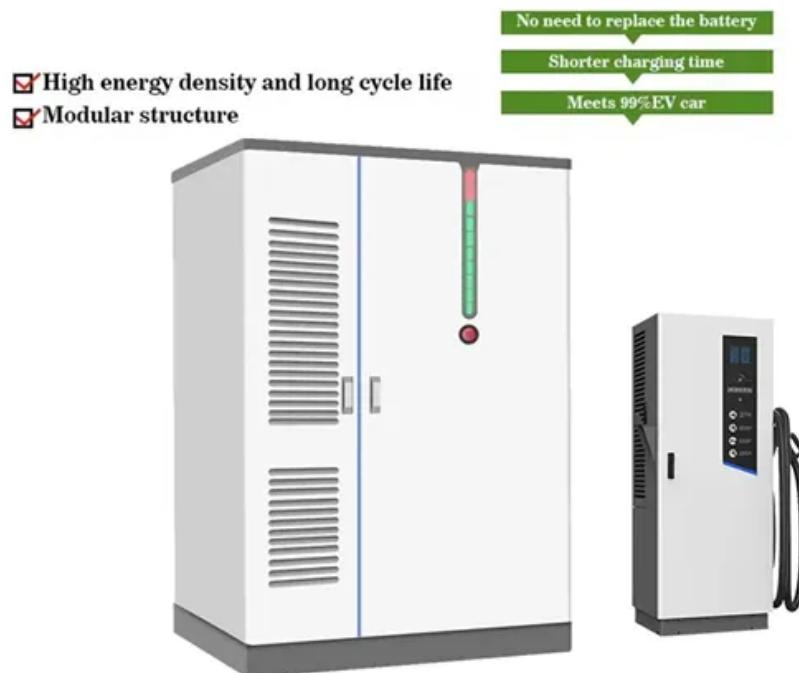


SolarMax Energy Systems

Solar energy storage in Ethiopia



Overview

Does Ethiopia have a solar energy sector?

However, despite all its available potential, the country's energy sector especially solar energy is still in its infancy stage. The main objective of this systematic review is to identify the present status of solar energy utilization and development in Ethiopia and any possible challenges that may hinder its' utilization and development.

What is the solar energy utilization status in Ethiopia?

There are also, ongoing solar energy utilization, like Metehara, in Oromia, gad in Somali and Dicheto in Afar regional states. Generally, solar radiation utilization status in Ethiopia is very low because, its' installation material is imported from abroad and needs huge amounts of foreign currency.

How to use solar energy efficiently in Ethiopia?

For effective and efficient utilization of solar energy in Ethiopia, the following recommendations and policy implications will be useful:

- Government should subsidize the cost of importation of Renewable Energy Technologies (RET) most especially solar PV to bring down the high cost in Ethiopia, and make it affordable.

How much solar PV is installed in Ethiopia?

Solar PV capacity in Ethiopia has almost tripled in the past five years. However, 14 MW of solar PV systems has been installed up to now, counting for 0.3% of the Nation's total energy capacity. Ethiopia's solar capacity is expected to increase in the coming years with the number of ongoing solar PV projects.

How big is the solar market in Ethiopia?

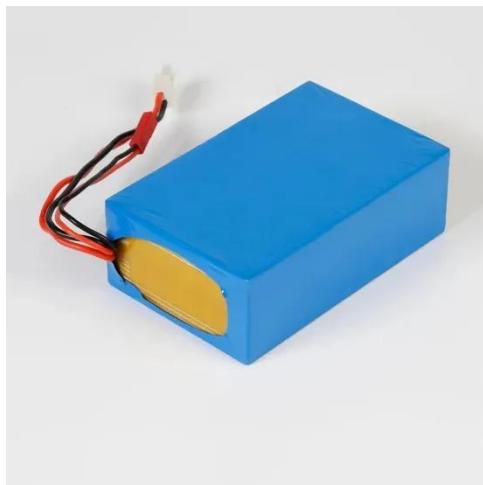
The Ethiopian solar market is still at an early development stage with an estimated installed capacity of 5 MWp. Growth during the 1990's was under

5% but has reached 15%-20% during the last few years, primarily driven by the telecom market that constitutes 70% of installed capacity.

Is the public interested in installing solar home systems in Ethiopia?

The government of Ethiopia in collaboration with development partners and private sector is promoting the distribution and installation of solar home systems to the rural communities. However, there is no clear data that shows the public is interested to install solar home systems.

Solar energy storage in Ethiopia



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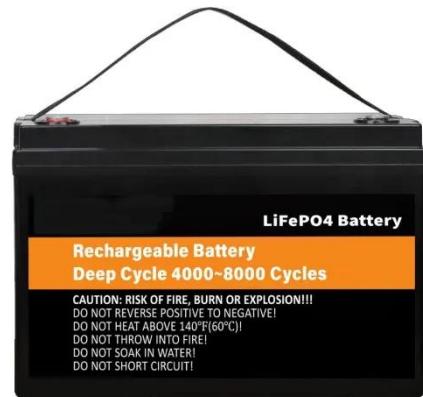
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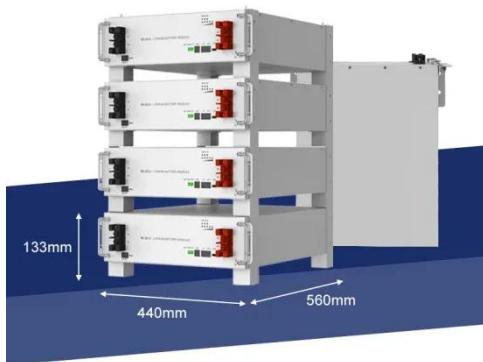
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