

Solar container outdoor power can charge three-wheelers





Overview

Environmental pollution and global warming due to the emission of gases from internal combustion engines has become a global issue that has made automobile companies develop emission-free or.

Can an electric vehicle be powered by a solar charging system?

This paper presented the development of an electric vehicle with an onboard solar charging system converted from an Indian-made auto-rickshaw or three-wheeler bajaj. The developed vehicle prototype has a differential gearbox and mechanical reverse system converted from an existing old bajaj with the chain-sprocket mechanism.

Can a solar-powered three-wheeler be used for transportation in Africa?

Meanwhile, to the best of the authors' knowledge, no other paper has presented a conversion of petrol-powered into electric-powered three-wheeler vehicles with an onboard solar charging system of the battery pack, which can be utilized for transportation in underdeveloped nations, particularly in Africa.

Are petrol-powered three-wheelers solar-assisted?

Therefore, the contribution of this paper is a detailed conversion of petrol-powered three-wheelers to solar-assisted electric three-wheelers practically undertaken and a clear dynamic performance analysis of the solar-assisted prototype has been performed for each performance parameter.

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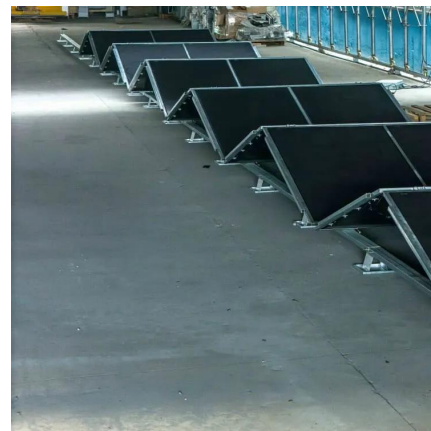


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