

PIENAAR ENERGY (PTY) LTD

Longi photovoltaic panels embodied carbon data



Overview

Explore Longi Energy's latest carbon emissions profile, Scope 1, 2, and 3 data, sustainability targets, and how they compare to industry peers using the DitchCarbon Score. As a global leader in green energy technology, LONGi has also gained widespread recognition for its efforts in controlling carbon emissions with photovoltaic products. Without further ado, let's take a look at the verification of carbon footprints that LONGi's products have obtained along the way. The embodied carbon of a solar panel is a metric of interest for many clean energy buyers. To support this effort, CEBI has created. This is LONGi's eighth Sustainability/Corporate Social Responsibility (CSR) Report, with the inaugural edition published in March 2018 and the previous one published in April 2024. Published in April 2025 following Board approval, the Report covers the period from Janu, to December 31. LONGi, a leading global solar technology company, holds various internationally recognized product carbon footprint verifications. LONGi enlisted EDF Climate Corps Fellow, Yu Han Soo, to delve into these data and uncover challenges and optimization potential. After conducting detailed data analysis.

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The (low) embodied carbon of solar PV

The embodied carbon of solar per unit of electricity generated has fallen for decades. Data points represent individual papers/sources referenced by Louwen et al.

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What verification of carbon footprints that LONGi's products have

In July 2023, with the launch of the latest Hi-MO 7 products, LONGi's mainstream modules were all granted the ECS carbon footprint certificate by Certisolis in France, with carbon ...



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LONGi-Downloads

LONGi provides you with the most comprehensive product data information so that you can quickly understand LONGi's full range of products.

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Longi Energy Emissions Breakdown & Climate Score , DitchCarbon

Explore Longi Energy's latest carbon emissions profile, Scope 1, 2, and 3 data, sustainability targets, and how they compare to industry peers using the DitchCarbon Score.

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An Introduction to Embodied Carbon Analysis

The Clean Energy Buyers Institute (CEBI) engages leading organizations in the solar industry to raise awareness about the impact of embodied carbon emissions throughout the solar photovoltaic (PV) ...

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LONGi's products have obtained the verification of carbon footprints

In January 2022, LONGi's Hi-MO series products have been certified with the 'Product Carbon Footprint Declaration' issued by BUREAU VERITAS in accordance with ISO 14067.

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Embodied energy and carbon from the manufacture of cadmium ...



This work examines the embodied energy and embodied carbon (the amount of energy and greenhouse gas emissions required for manufacturing) of the two dominant types of ...

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LONGi reports on carbon emissions reduction efforts

The embodied carbon of a solar panel is a metric of interest for many clean energy buyers. In its 2023 Climate Action White Paper, released at COP28, LONGi Green Energy Technology Co., reports that ...

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LONGi Sustainability report 2024

With every solar panel installed, LONGi writes a new chapter in sustainability, one where each kilowatt-hour sparks hope, and every partnership redraws the map of global progress.

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