



**SolarTech Power Solutions**

# **Papua New Guinea foreign trade solar systems**



## Overview

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How much does Papua New Guinea spend on solar lighting?

ion per year and will grow over the next five years. While the Government of Papua New Guinea (GoPNG) plans to invest in grid electrification, the disposable income to purchase lighting products, spending on average about \$192 a year. The addressable market encompasses about 60 percent of PNG's households own of-grid solar lighting, making it the second.

Is Off-grid solar lighting a success in Papua New Guinea?

Off-grid solar (OGS) lighting in Papua New Guinea (PNG) is a success story. Since 2012, sales have grown at an annual average rate of 68 percent, increasing market penetration from 2 to 60 percent of households. PNG today has one of the highest prevalence rates of use of off-grid solar lighting in the world. It is due to several factors.

Does Papua New Guinea have a lighting market?

Lighting Papua New Guinea, PNG Off-Grid Lighting Market Analysis, 2014 ([link](#)) The sample size is statistically significant at a 95 percent confidence level, within a confidence interval of 5 percent for PNG's current population estimated at 7.63 million inhabitants. The respondents were distributed across the 14 survey sites across Papua New Guinea, Momase Region.

Is solar power a good investment in PNG?

Solar power is particularly attractive in PNG given that the peak load occurs in the daytime. Wind: A 2019 World Bank-funded wind-mapping study assessed three locations with the highest wind potential: Central Province, Morobe Province, and Western Highlands Province.

Why is lighting important to Papua New Guinea?

With it's clear Lighting PNG has been able to help catalyze the shift, and leverage disruption and technology used by the Government of Papua New Guinea, we

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grid solar products and increa  
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DEMAND-SIDE.

How much is the lighting Papua New Guinea OGS market worth?

IFC, Lighting Papua New Guinea, PNG Of-Grid Lighting Market Analysis, The total sales revenue at the points of sale in the PNG OGS market in 2017 is estimated to be \$10.9 million.<sup>64</sup> This is equivalent to around 4 percent of the annual lighting market of \$259 million.<sup>65</sup> Based on our boundary scenarios for 2022, we project sales to

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### Contact Us

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