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# Price and cost performance of solar panels





## Overview

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How much does a solar panel cost?

An average polycrystalline panel offers 160 watts per m<sup>2</sup> for \$140. Thus, the cost per watt for that panel is \$0.87. A high-efficiency PERC panel may offer 200 watts for an area of \$180, thus accounting for about \$0.90 per watt. So, higher watts per square meter solar panel capacity can also make more expensive modules more competitive.

How much does a PERC solar panel cost?

A high-efficiency PERC panel may offer 200 watts for an area of \$180, thus accounting for about \$0.90 per watt. So, higher watts per square meter solar panel capacity can also make more expensive modules more competitive. For a household, the price per watt can provide great comparisons.

How much does a 30m<sup>2</sup> solar PV system cost?

A residential property in an urban region of South Africa installs a 30m<sup>2</sup> solar PV system featuring mid-range monocrystalline panels. The solar panel cost per square meter, including all labor and system components, is approximately \$6,000.

Are solar panels a good investment?

Areas with higher electricity costs typically see greater financial benefits from solar installation. Additionally, as utility rates continue to rise (historically about 2.2% annually), your savings can increase over time, making solar panels an effective hedge against future energy cost increases.



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