



## SunPower® Solar Panels

SunPower®'s high-efficiency solar panels are used in photovoltaic power systems for several types of applications around the world such as residential and commercial rooftops, large-scale power plants, and off-grid systems for remote applications for the telecommunications along with oil and gas sectors.

### Ecosolutions by TotalEnergies advantage

- **Improved module efficiency:** SunPower® module efficiency is greater than 20% for the E-Series, 20% for the X-Series, and 21% for the A-Series (compared to average efficiencies of 17-19% for conventional silicon modules and 16-18% for modules that use thin-film technology).
- **Reduced consumption of purified silicon:** the thickness of SunPower® wafers is around 130µm (compared to 180µm for conventional silicon cells) inducing a reduction in silicon consumption and therefore in the energy required for its production.
- **Better deliverability** such as higher electricity production (Wh) for the same nominal capacity (Wp) and low degradation over time ensure longer life.

## The Environmental Performance

For an equivalent service provided, compared to the industry average (performances of the four main technologies in the market weighted by their market shares):



—■ **46%** of reduction in green house gas emissions

### EXTERNAL VERIFICATION

Independent auditor EY has verified that this product was labeled according to the method described in the Ecosolutions by TotalEnergies Guidelines and that the guidelines comply with the principles set out in the ISO 14020 and 14021 standards which govern environmental claims and particularly their accuracy.

- **Label award date:** October 2013
- **Label renewal:** November 2020 (*Guidelines version 6*)
- **Label term:** December 2025
- **Geographical scope:** World

*Leveraging innovation to serve continuous improvement, the label Ecosolutions by TotalEnergies involves developing products, services and solutions that enable our customers to improve their environmental footprint.*

*For any question or to learn more about the Ecosolutions program and the labeled products and services, go to: <https://ecosolutions.totalenergies.com/fr>*