

How Do Solar Panels Work?

Solar panels absorb sunlight and convert it into direct current electricity using photovoltaic cells.



An inverter transforms DC electricity into alternating current (AC), which powers household appliances.



The AC electricity flows into your home's electrical system, providing energy for daily use.



A bidirectional meter records how much electricity you use and sends surplus power back to the grid for credits.

Your home stays connected to the power grid for electricity when solar power isn't available, like at night.



Solar energy is a sustainable and cost-effective investment. It reduces carbon emissions, lowers electricity bills, and provides long term energy independence. Solar is a smart choice for a cleaner future.

