

Georgia Air Conditioning Solar Air Conditioning





Overview

What is a solar air conditioner?

Solar air conditioners are solar-powered air conditioners designed to efficiently and effectively provide cooling to a room. Solar air conditioners use solar panels to power the air conditioner, and solar hotspot energy gives much power to the air conditioner's condenser and refrigerant.

Are solar-powered ACS available?

Yes, while only used in a small percentage of homes in the US, solar-powered ACs are available. Most homes will be better served with a standard, energy-efficient air conditioner or heat pump paired with rooftop solar panels. Andrew joined Palmetto in Charlotte in August 2024.

How does a solar AC work?

In simple terms, solar ACs use solar panels to power the air conditioning system. Solar panels collect energy from the sun. They convert this energy into power. That power either goes directly to the air conditioner or to a battery where it's stored until the AC needs it.

How much does a solar air conditioner cost?

It's an air conditioner powered by energy harvested from the sun. It is sustainable, and with every year that passes, solar energy becomes more affordable. Current cost averages \$2.50 to \$3.00 per watt. A 6,000 watt system costs about \$15,000 to \$18,000 for panels, battery, inverter and wiring.



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