

Technology roadmap concentrating solar power





Overview

What is the IEA-Technology Roadmap for concentrating solar power?

View the roadmap here: [IEA-Technology Roadmap: Concentrating solar power](#)
This roadmap identifies technology, economy and policy goals needed to support the development and deployment of concentrating solar power, as well as ongoing advanced research in concentrating solar power.

What is concentrating solar power?

The emerging technology known as concentrating solar power, or CSP, holds much promise for countries with plenty of sunshine and clear skies. Its electrical output matches well the shifting daily demand for electricity in places where air- conditioning systems are spreading.

What is a technology roadmap?

These roadmaps provide solid analytical footing that enables the international community to move forward, following a well-defined growth path – from today to 2050 – that identifies the technology, financing, policy and public engagement milestones needed to realise the technology's full potential.

What is a concentrated solar power system (CSP)?

Concentrating solar power systems (CSP) use concentrated solar radiation as a high temperature energy source to produce electrical power and drive chemical reactions. CSP is typically applied in relatively large scale plants under very clear skies and bright sun.

Why is the IEA developing a roadmap for key energy technologies?

To spark this movement, at the request of the G8, the International Energy Agency (IEA) is developing a series of roadmaps for key energy technologies.

What is the IEA solar PV roadmap vision?



In the IEA solar PV roadmap vision, PV is projected to provide 5% of global electricity consumption in 2030, rising to 11% in 2050. emission reduction by 2050 by having the IEA leading the development of energy technology roadmaps under international guidance and in close consultation with industry.



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[Solar Energy: Mapping the Road Ahead - Analysis](#)

Solar Energy: Mapping the Road Ahead is a collaborative effort of the International Energy Agency (IEA) and the International Solar Alliance (ISA) to provide government, industry and civil society stakeholders with the ...

[Concentrating Solar Power Gen3 Demonstration](#)

This document presents a roadmap for the development and demonstration of third generation concentrating solar power (CSP) technologies. It identifies three technology pathways: molten salt, particle transport, and gas receivers. For ...



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2050 2045 2035 2040 Technology Roadmap Concentrating Solar Power INTERNATIONAL ENERGY AGENCY The International Energy Agency (IEA), an autonomous agency, was established in November 1974. Its mandate is two ...

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Technology Roadmaps Concentrating Solar Power fKey findings Concentrating solar power (CSP) can provide lowcarbon, renewable energy resources in countries or regions with strong direct normal irradiance (DNI), i.e. strong ...

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