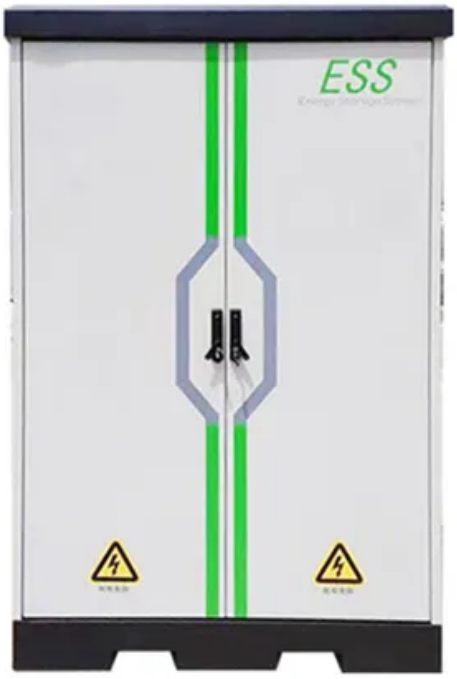
Ivanpah solar power station mirror size



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Overview

The Ivanpah plant uses a technology known as solar-thermal, or concentrated solar, in which nearly 350,000 computer-controlled mirrors roughly the size of a garage door reflect sunlight to boilers atop 459-foot towers. The plant has a gross capacity of 392 megawatts (MW). Photo by: Associated Press LOS ANGELES — What was once the world's largest solar power plant of its type. 173,500 heliostats track the sun in two dimensions. Positions of all heliostats were measured by high-resolution GPS. Angle of each mirror is calculated, distributed, and adjusted by a motor on a 10s period. Bended when assembled to the supporting frames. An array of mirrors at the Ivanpah Solar Electric Generating site is shown near Primm, Nevada, Aug. Pressure from cheaper green energy sources is the main factor in PG&E's decision to close the Ivanpah solar plant. Ivanpah uses fresh water, though many other plants use salt. At Ivanpah, the liquid begins in a "cold" tank where it is kept at 290°C.

Ivanpah solar power station mirror size

11 years after a celebrated opening, massive solar plant faces a bleak

The Ivanpah plant uses a technology known as solar-thermal, or concentrated solar, in which nearly 350,000 computer-controlled mirrors roughly the size of a garage door reflect sunlight to boilers atop 459-foot towers.

A Sea of Mirrors: An Overview on Ivanpah Solar Power Plant

Heliostats/Mirrors 173,500 heliostats track the sun in two dimensions. Controlled by a central server Positions of all heliostats were measured by high-resolution GPS. Angle of each mirror is calculated, ...

Massive solar plant faces pressure from cheaper alternatives

The Ivanpah plant uses a technology known as solar-thermal, or concentrated solar, in which nearly 350,000 computer-controlled mirrors roughly the size of a garage door reflect sunlight to

11 years after opening, Nevada solar plant faces bleak future

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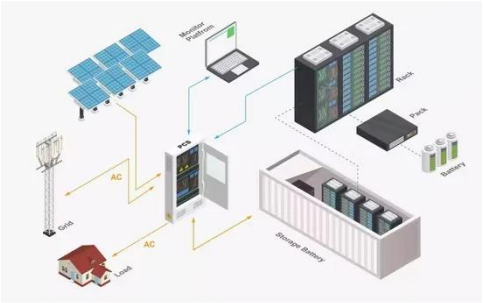

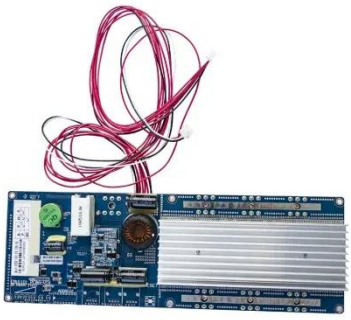

Solar Thermal Energy at the Ivanpah Power Facility

The Ivanpah station uses 173,500 heliostat mirrors to concentrate sunlight into the central tower. The mirrors follow the sun's movement throughout the day to maximize the amount of light directed.

Ivanpah Solar Power Facility

It uses 173,500 heliostats, each with two mirrors focusing solar energy on boilers located on three 459-foot-tall (140 m) [12] solar power towers. [11] The first unit of the system was connected to the electrical grid in ...

Ivanpah Solar Power Plant , The Center for Land Use Interpretation

It is certainly the largest thermal solar power plant, with 3,500 acres of mirrors mounted on 173,500 heliostats, which track the sun, focusing it on three 450 foot tall towers full of flowing water, which generates steam, ...

The Beauty of the World's Largest Solar Project

The Ivanpah Solar Power facility consists of 350,000 mirrors covering 5.5 square miles. To create electricity, Ivanpah uses 173,500 heliostats, each equipped with two mirrors the size of

$2.2 billion Ivanpah Solar Facility in California scheduled to be

The solar power plant, which features three 459-foot towers and thousands of computer-controlled mirrors known as heliostats, cost some $2.2 billion to build.

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