



What has kept the cost of Concentrated PV so high?

The technology is simple and relatively inexpensive; a small amount of CPV cells and a lens or reflector, that's it!

So what's keeping it TOO expensive??

The WIND....when you have a structure that is anchored to the earth and needs to pivot to follow the sun, that structure needs to be built strong enough to withstand the strongest possible wind that is likely to blow in that area.

Therefore it's not the technology cost that is high, it's the structural cost.

How do you avoid high structural costs?

Avoid high winds....

Liquid Solar Array (LSA) technology does just that by protecting each unit automatically when the wind reaches a pre-determined strength. This allows the structure to be mostly made of lightweight and mass producible plastics; so Sunengy has housed CPV technology in a simple and inherently inexpensive structure. All materials used are environmentally safe.

The water also **PASSIVELY COOLS** the CPV cells, which overcomes another complication with land based concentrators.

When installed in large arrays, covering much of the water's surface area, LSA can also potentially reduce evaporation.

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