

PV power & water heating

Hybrid solar panels

Energy Saving

A single panel combining two technologies exploiting sun's energy: photovoltaics for electricity generation and solar thermal for hot water production. Installation of such hybrid panels reduces rooftop space by installing one panel instead of two and allows to meet different energy needs of buildings such as domestic hot water or pool heating. Hot water production can also be used to improve the performance of heat pump for heating application.

It has been claimed that hybrid panels can have an efficiency as high as 85% and "generate four times the energy produced from the same surface area for only a 25% increase in cost



Potential Use in Hotel

Industry

- Water and pool heating
- Production of cheap and clean power
- Energy and cost savings

Disadvantages

Performance depends on solar radiation. No energy produced at night.

Advantages

The solution is cost saving when it comes to both electricity and thermal energy prices.



Competitive price and compatibility with different systems