# **Optimize heat pump operation! Increase** electricity production and boost cold boreholes with solar hybrid panels



The solar hybrid panel produces electricity at the front and heat at the back.

Max temperature at stagnation (no circulation) = 65°C same as a solar panel.

### Reduce your energy costs to a minimum!

In a DualSun SPRING hybrid panel the sun's energy is converted into both electricity and heat.

Electricity for your heat pump and property. Heat to recharge your ground source and optimize your heat pump operation throughout the year.

Up to 6 times more energy than one conventional solar panel.



#### A) Good for the solar cells: Cooling of the solar cells

Increases electricity

- production
- Extends lifespan

## C) Good for the heat pump:

Higher temperatures from the borehole

- Increases efficiency and reduces electricity consumption
- Increases the heating power and decreases the use of electric peak load
- Increases the lifespan of the compressor
- Reduces the risk of operational disruptions

### B) Good for the borehole: Recharging the borehole

- Restores the energy balance in cold boreholes
- Raises the temperature all year round
- Enables greater power output
- Prevents freezing and reduces risk of damage to the collector
- Enables a larger and more efficient heat pump without complementary drilling

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Diagrams with savings calculations are shown on the back -



# Hybrid panels (PVT) save energy all year round by recharging boreholes for the winter with solar heat during the summer.

## How do I proceed?

Contact your local heating or solar panel installer to get a complete quote on hybrid panels (PV-T) and hybridization package for your project. They can also offer matching solar panels with 30-year performance guarantee in the same design as the hybrid panels, if you want more self-produced electricity than what the hybrid panels contribute.

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