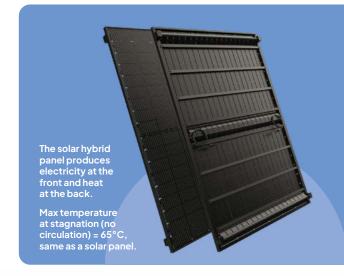


# Optimize heat pump operation! Increase electricity production and boost cold boreholes with solar hybrid panels



## 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

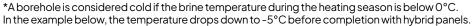
- Restores the energy balance in cold boreholes
- Raises the temperature all year round
- Enables greater energy and power output
- · Prevents freezing and reduces risk of damage to the ground surfaces and collector
- Enables a larger and more efficient heat pump without complementary drilling

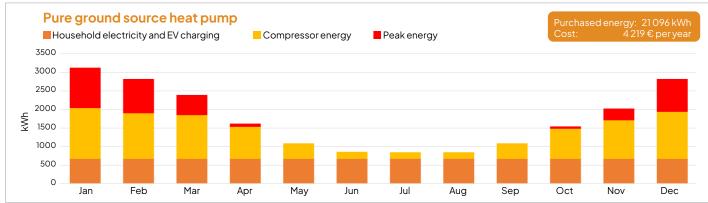
Diagrams with savings calculations are shown on the back -

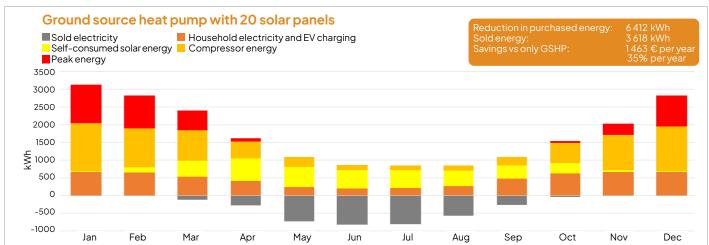


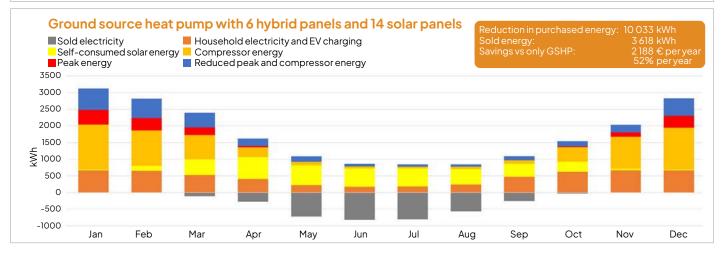
## Hybridization package - overview brochure

## Energy use for 8 kW geothermal heat pump with cold borehole\*, supplemented with solar panels (PV) alternatively with hybrid panels (PVT)









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 (PVT) 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.



**Dualsun** Contact support.nordic@dualsun.com or visit FAQ at academy.dualsun.com