

/ Perfect Welding / Solar Energy / Perfect Charging

**Fronius**

# LET THE SUNSHINE INTO YOUR BATHROOM.

Use solar energy even more efficiently  
with the Fronius Ohmpilot.

# HEAT WATER

## THE INTELLIGENT WAY

Use your solar energy even more efficiently by heating water with the Fronius Ohmpilot. Surplus solar energy is converted into heat, increasing self-sufficiency in the process.

As soon as your photovoltaic system is producing more solar energy than you are using in your home, the Fronius Ohmpilot will transfer the available surplus to a heating element, towel rail or any other ohmic consumer of your choice. When your water is heated with solar energy, your heating no longer needs to be started up during the sunny months. This extends the service life of your heating system.

Thanks to the continuously adjustable regulation from 0 to 9 kW, up to **100 %** of the solar power generated by the PV system can be used in the property.





## YOUR ADVANTAGES AT A GLANCE

- / Extend the service life of heating systems
- / Use solar energy in your own home
- / Increase self-consumption
- / Reduce CO<sub>2</sub> emissions



GERMAN  
DESIGN  
AWARD  
SPECIAL  
2019

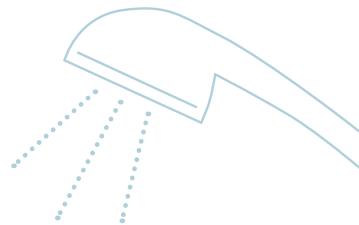


The majority of a household's  
hot water consumption (Ø)  
can be covered  
by solar power

**8+ months\***




\*depends on the climatic  
conditions in your country

# HOT WATER AS A STORAGE MEDIUM

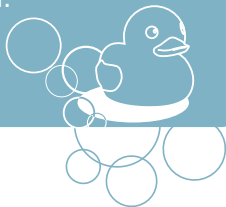


- / An average four-person household with a 300-litre hot water boiler
- / 5 kWp PV system with a Fronius Ohmpilot

The surplus energy obtained in an average day can be used for:

	PV SURPLUS	WATER HEATING
Overcast 	5 kWh	150 litres to 40°C
Slightly cloudy 	10 kWh	170 litres to 60°C
Sunny 	17 kWh	300 litres to 60°C

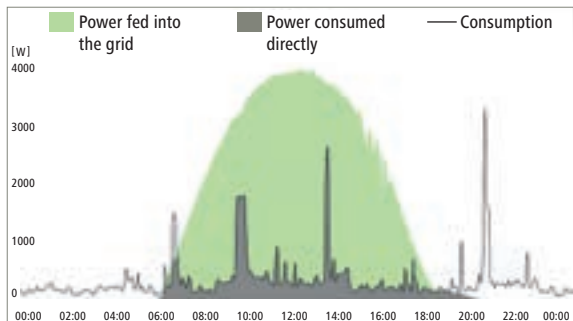
On average, **50 litres**  
of hot water are required for a  
**single** shower.



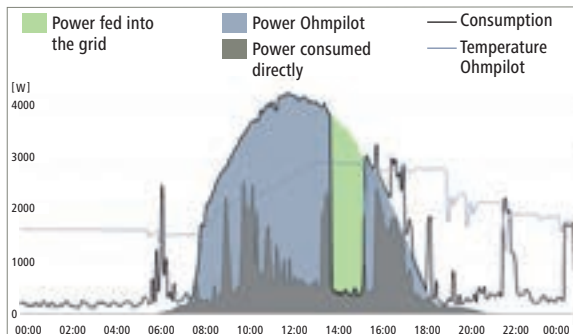
# INCREASED SELF-CONSUMPTION WITH THE FRONIUS OHMPILOT

A sunny day: ☀️

Before the Fronius Ohmpilot is installed



After the Fronius Ohmpilot is installed



The PV system supplies power to the electrical loads in the property while the surplus energy is fed into the public grid.

The surplus power is not fed into the public grid. Instead, it is used by the water heating system by heating the water to a pre-set temperature.

Self-consumption  
can be increased

to over **60%**,  
even on a  
sunny day.





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