



THE INTELLIGENT PARTNER FOR GENERATING HOT WATER

Fronius Ohmpilot impresses on the farm

Eberstalzell, Austria: When it comes to making the best-possible use of solar energy and improving the rate of self-consumption, you need look no further than the Fronius Ohmpilot. A view that has been proven by the Strassmair family on their farm in Upper Austria. The Strassmairs are now able to generate more than a third of the hot water they need for heating and domestic use from solar energy.

“As you would expect, there is a lot of electrical equipment on the farm that we provide with energy from our PV system. These include the fans in the cowshed, the mixer for the animal feed and the flour mills. This meant that even before we installed the Fronius Ohmpilot, our rate of self-consumption was already very high,” says farmer Hermann Strassmair. *“Thanks to the Fronius Ohmpilot we have been able to squeeze even more out of our system; we now use 74% of the PV energy we generate on the farm.”*

The Fronius Ohmpilot was retrofitted into the existing system. For installer Bernd Neudorfer, this was no problem at all: *“The Fronius Ohmpilot is so quick and easy to install.”*

It may be small and unassuming, but the Fronius Smart Meter is a powerful tool in the race for efficiency. This intelligent little meter allows yield and consumption patterns to be analysed even more precisely, so that the rate of self-consumption can be optimised even further.



OUR SOLUTION:

- / The Fronius Ohmpilot consumption regulator ensures water is heated efficiently for domestic use and for heating purposes
- / The load on the existing heat pump is reduced and it can even be deactivated entirely during the summer months
- / The Fronius Smart Meter allows you to become an expert in your own energy yields



| SYSTEM DATA | EBERSTALZELL, AUSTRIA |
|--------------------------------|---|
| Size of installation | 30 kWp |
| System | Fronius Ohmpilot, Fronius Smart Meter, Fronius Symo Inverter |
| Commissioned | PV-System: May 2016 / Fronius Ohmpilot: Oct. 2017 |
| Annual yield | 32.6 MWh |
| CO ₂ savings / year | 17.3 t |
| Special features | Up to 74% self-consumption One-third of the hot water is generated using PV energy |

