

/ Perfect Welding / Solar Energy / Perfect Charging



**NEXT LEVEL SOLAR.**  
TODAY, ENERGY IS A CHOICE.  
TAKE YOUR SOLAR GAME TO THE  
NEXT LEVEL



The Fronius Ohmpilot allows a home owner to heat his home with excess solar energy that is otherwise given away. Moreover, a heating system is given a rest during sunny months. That extends its life span by up to 20 % and more.



## FRONIUS OHMPILOT

### INTELLIGENT, CONTINUOUSLY ADJUSTABLE REGULATION OF HEAT SOURCES

The Fronius Ohmpilot is a consumption regulator designed to use excess solar power to heat water. Thanks to the continuously adjustable regulation from 0 to 9 kW, surplus PV current can be put to highly efficient use and fed to the consumers in the household.

The Fronius Ohmpilot is primarily used to intelligently control heating elements for providing hot water in boilers and buffer storage tanks, but can also be used for infrared heating or towel radiators.

The result is maximum self-consumption, a reduction in the household's CO<sub>2</sub> emissions and less wear on the building's main heating system during the summer months.

DATA	FRONIUS OHMPILOT
Frequency (Input)	50,0 Hz
Max. input current (I <sub>ac</sub> max)	1x16 A / 3x16 A
Input voltage	230 V / 400 V
Max. output power	3 kW / 9 kW (each continuously adjustable)
AC output current (I <sub>ac</sub> nom)	1x13 A / 3x13 A
Output voltage	230 V / 400 V
Frequency (Output)	50,0 Hz

# THE FRONIUS SNAPINVERTER GENERATION

The SnapINverter generation features a uniform, intelligent design and maximum flexibility. As an installer, you are sure to enjoy the benefits of simple installation and commissioning along with quick and straightforward servicing. Thanks to the standardized product line ranging from 1.5 to 27.0 kW, the SnapINverters are the ideal choice for any system size, from family homes through to large-scale installations.

Available with a  
Fronius Smart Meter.



DATA	FRONIUS GALVO	FRONIUS PRIMO	FRONIUS SYMO 3-8.2 kW
Phase Category	Single-phase 230 V	Single-phase 230 V	Three-phase 230 V / 400 V
Power classes	1,5 / 2 / 2,5 / 3 / 3,1 kW	3 / 3,5 / 3,6 / 4 / 4,6 / 5 / 6 / 8,2 kW	3 / 3,7 / 4,5 / 5 / 6 / 7 / 8,2 kW
MPP Tracker	1	2	2
IP Rating	IP 65	IP 65	IP 65
Dimensions	645 x 431 x 204 mm	645 x 431 x 204 mm	645 x 431 x 204 mm
Weight	16,4 kg (1,5 / 2 kW) / 16,8 kg (2,5 / 3 / 3,1 kW)	21,5 kg	19,9 kg
Superflex Design / Dynamic Peak Manager	no	yes	yes

## CHARACTERISTICS OF FRONIUS SNAPINVERTERS



### SnapINverter Technology

- / Simple, standardised mounting system, user interface and set-up procedure.
- / Connection area separate from power stage set compartment.
- / Hinged design for easy installation and servicing.



### Integrated Data Communication

- / Fully integrated data logging, WLAN, Ethernet, energy management, web server, and a range of interfaces.
- / Connect to third-party components via Modbus TCP SunSpec, Modbus RTU SunSpec, or Fronius Solar API (JSON).



### Smart Grid Ready

- / Smart functions are built into the devices including control functions for optimum feed-in of reactive power and effective power.
- / Stable grid operation is enabled when the PV system density is high and feed-in interruptions are prevented.



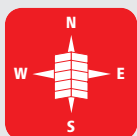
FRONIUS SYMO 10-20 kW	FRONIUS ECO
Three-phase 230 V / 400 V	Three-phase 230 V / 400 V
10 / 12,5 / 15 / 17,5 / 20 kW	25 / 27 kW
2	1
IP 66	IP 66
725 x 510 x 225 mm	725 x 510 x 225 mm
34,8 kg (10 / 12,5 kW) / 43,4 kg (15 / 17,5 / 20 kW)	35,7 kg
yes	no

DATA	FRONIUS SMART METER
Options	63A-1 / 63A-3 / 50kA-3
Grid connection	single-phase or three-phase
Current measurement	direct connection or via CTs
Dimensions	89 x 35 x 66 mm / 89 x 71 x 66 mm
Communication	Modbus RTU



### Export Limitation / Zero feed-in

- / Limit the amount of energy fed into the grid wherever feed-in restrictions are applicable.
- / Only a Fronius Smart Meter is required.



### Superflex Design

- / Two MPP trackers in conjunction with a high system voltage and wide DC input voltage range; every DC input has its own MPP tracker.
- / Single inverter for different roof orientations, shading of one or two strings or the use of residual modules.



### Dynamic Peak Manager

- / New MPP tracking algorithm.
- / Automatically checks the characteristic curve on a regular basis and finds the Global Maximum Power Point (GMPP), even in partial shade.

# THE FRONIUS WORLD OF STORAGE SOLUTIONS

## THE PATH TO MAXIMUM INDEPENDENCE

Fronius offers an array of bespoke storage solutions designed to satisfy every need – from laying the foundations for a future storage solution to installing a fully integrated Fronius system: the Fronius Energy Package with Fronius Ohmpilot.



### COMPATIBLE WITH DC-COUPLED BATTERIES

The Fronius Symo Hybrid can be combined with LG Chem RESU batteries or soon also with BYD Battery-Box batteries. Together they form the economical storage solution for quality- and cost-conscious system owners.

### FRONIUS SYMO HYBRID WITH FRONIUS SMART METER AND SOLAR.WEB

The Fronius Symo Hybrid is at the heart of every storage solution from Fronius. Together with a Smart Meter and the Fronius Solar.web monitoring tool, it not only provides an overview of your actual electricity consumption, but also lays the foundations for future energy storage upgrades.





### FRONIUS ENERGY PACKAGE AND FRONIUS OHMPILOT

The complete system from a single source maximises your rate of self-consumption to up to 100% and thus enables maximum independence.

**MAXIMUM  
INDEPENDENCE**



### FRONIUS ENERGY PACKAGE

The complete storage solution with emergency power function is infused with proven Fronius quality both in the products and in the support services.



### COMPATIBLE WITH STRING COUPLED BATTERIES

The Fronius Primo in combination with a Solarwatt battery is the storage solution for single-phase markets.



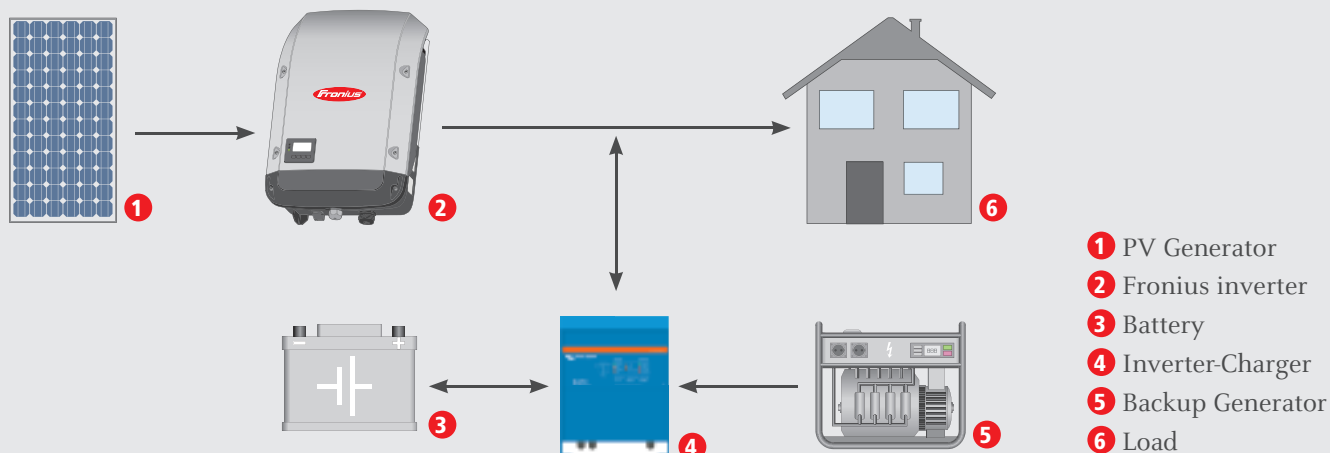
### FRONIUS HEATING SOLUTION

The Fronius Ohmpilot not only maximises your rate of self-consumption by heating water, but it is also the simplest storage solution from Fronius.



# FRONIUS MICROGRID SOLUTION

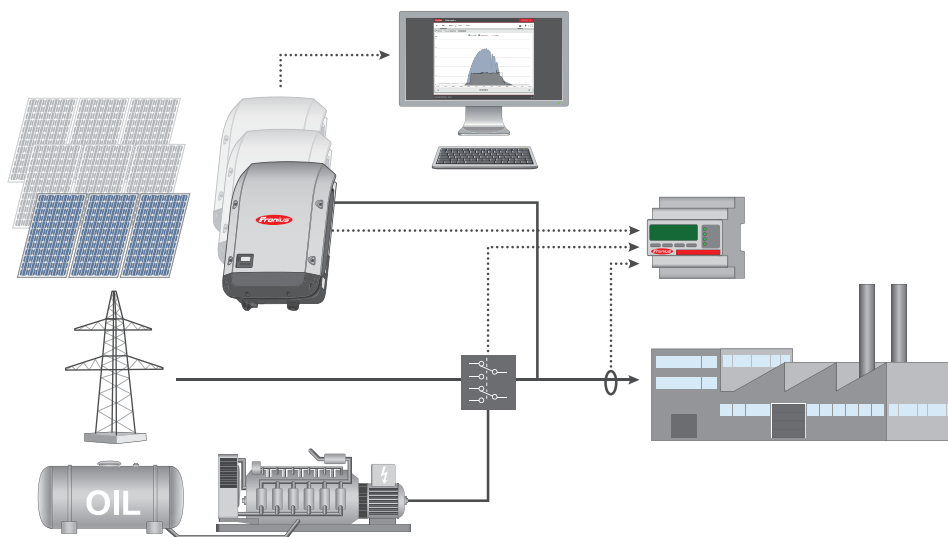
Microgrids in remote regions are often supplied by inverter chargers (off-grid inverters with batteries). PV systems with Fronius grid-tied inverters can be easily integrated into microgrids of this kind, as Fronius inverters have a special MicroGrid Setup for this purpose complete with various functions to ensure stable microgrid operation.



/ MicroGrid System with PV

# FRONIUS PV-GENSET EASY

With the Fronius PV Genset Easy solution, photovoltaic systems can be integrated into existing diesel systems both quickly and easily. The solution is optimized for low-voltage applications with one diesel generator, although it also works for back-up applications. For solutions optimized for more than one diesel generator please get in touch with your Fronius contact person.





The Fronius inverter provides the MicroGrid with as much PV energy as possible. If the load is less than the maximum capacity of the PV generator and if the batteries are already full (or the charging power of the inverter charger is too low), automatic PV power reduction will be required.

## FRONIUS WARRANTIES

All Fronius string inverters and storage units come with a two-year warranty as standard. If you register your product at [www.solarweb.com](http://www.solarweb.com), you can choose from several additional extended warranty models to find one that suits your individual needs.\*

### 01 / PRODUCT REGISTRATION IN FRONIUS SOLAR.WEB

Fronius offers the perfect warranty for your individual needs. Warranty extensions of up to 20 years are available for purchase.

### 02 / SELECT FREE WARRANTY MODEL

### 03 / PURCHASE WARRANTY EXTENSIONS FOR GREATER PROTECTION

\* Applies to certain countries only. For further information on all countries, please visit [www.fronius.com/solar/warranty](http://www.fronius.com/solar/warranty).

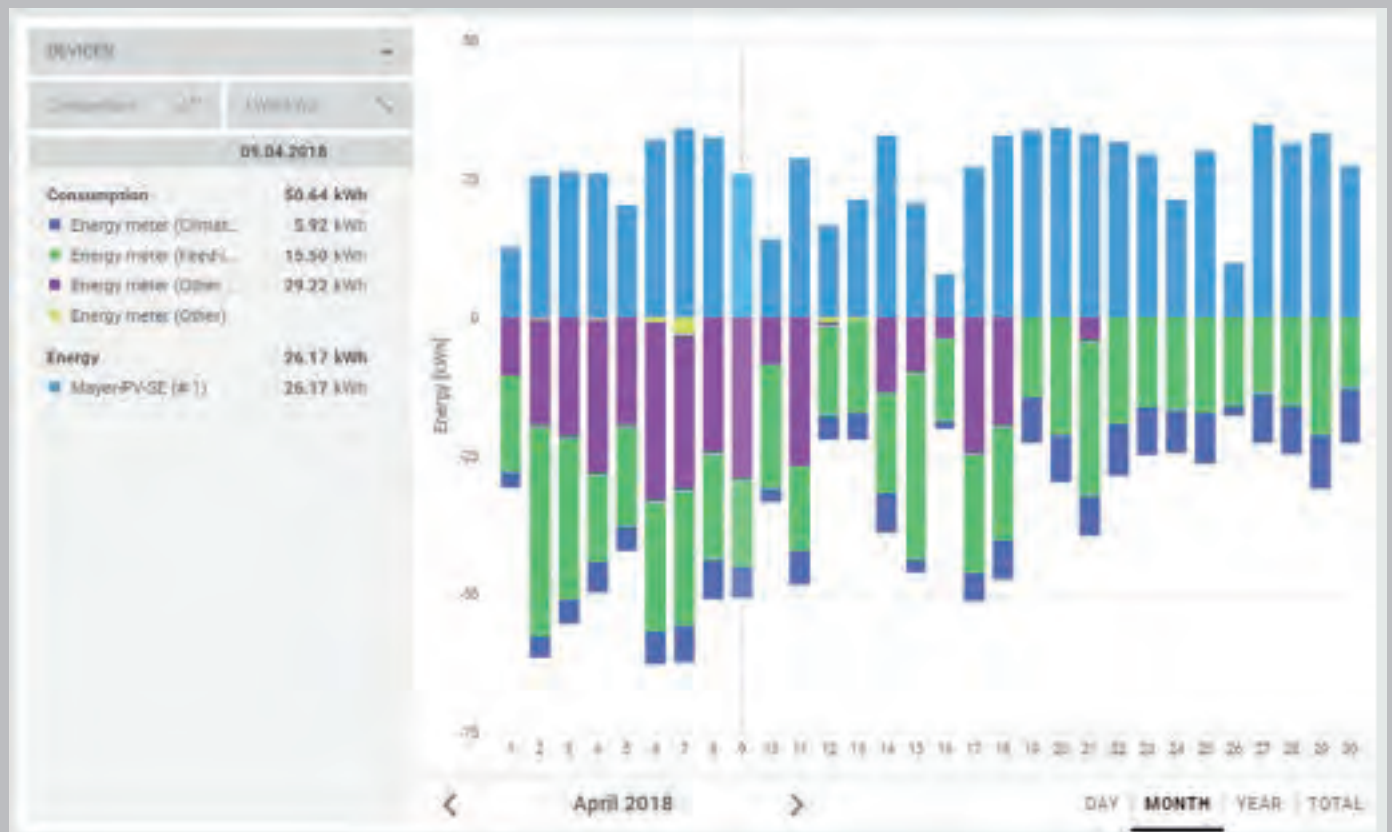


# FRONIUS ENERGY PROFILING

Fronius Energy Profiling allows for well-grounded energy use analyses. Thus it enables the installer to provide a personalized, data-based customer service. Using Fronius Energy Profiling, he is able to offer customized solutions that truly make sense to his clients.



In order to achieve effective Energy Profiling, PV as well as batteries and the major loads need to be represented in the monitoring tool Fronius Solar.web. To this end, up to 4 Fronius Smart Meters can provide the most relevant information and – together with Solar.web – form the basis for the analysis.





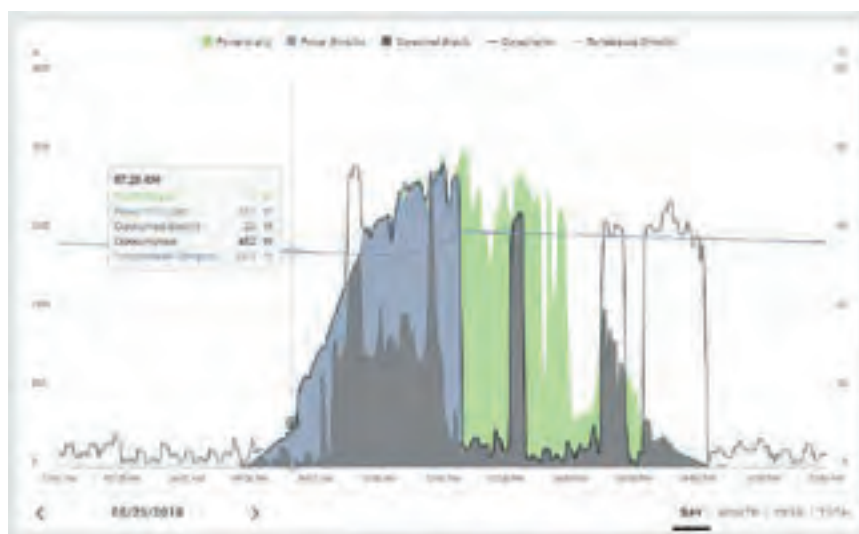
With Fronius Solar.web, energy systems can be conveniently monitored and analyzed.

### **BENEFITS OF SOLAR.WEB**

- / Energy Profiling Functions
- / Presentation of system data
- / Attractive visualization and apps
- / Automatic system faults notification
- / Access to remote software updates and software based product improvements
- / Installer system fleet management

## **FRONIUS SOLAR.WEB** NOT JUST A MONITORING TOOL

Fronius Solar.web started off as a mere tool for monitoring and visualizing PV systems. Today, it is much more than that – it is the basis for detailed analyses. For the end customer, Solar.web is more and more becoming a hub for controlling and operating energy flows. For the installer, it has become the key to a personalized, data-based customer service.



# EXCELLENCE IN SERVICE AND SUPPORT

Our aftersales service is considered the global benchmark within the industry.



## THE FRONIUS INSTALLER

- / The strong base for a successful cooperation
- / Fronius installers can exchange the entire inverter in a service case

## THE FRONIUS SERVICE PARTNER PROGRAMME

- / Technical expertise straight from the manufacturer: Attend our training courses
- / The fastest service plan on the market: Our PC board replacement concept
- / The best support (Fronius SOS, expert support on our technical hotline)
- / Exclusive services such as sales and marketing support, and regular events

## GET EVEN CLOSER WITH FRONIUS FSP PLUS

- / Together we can reach our goal of achieving widespread, high-quality service coverage
- / Serve Fronius customers that do not have a service company at hand
- / Utilize the benefits of a strong service and support partnership

## FRONIUS SOS - SOLAR ONLINE SUPPORT

- / Our platform designed for installers that allows for quick and efficient trouble shooting
- / All you need is a laptop or smart device and the serial number of the inverter
- / Available 24/7

