



# FRONIUS POWER PACKAGE

/ The system solution from a single source



/ With the Fronius Power Package you can take full advantage of the benefits offered by Fronius string inverters for projects on a small and large scale – from planning through to maintenance of the PV system. Maximum flexibility in the design of the PV system, the pre-installed inverter cabling and the supplied Fronius AC Combiner greatly reduce the planning work. Failure rates during initial installation and the installation time are therefore minimised. The Fronius Power Package also helps to reduce maintenance and consequently to achieve lower project costs.

## THE ADVANTAGES AT A GLANCE

### INSTALLATION & COMMISSIONING

- / Minimal installation costs
- / Reduces installation errors

### OPERATION & MAINTENANCE

- / Reduces mismatch losses
- / Easy to maintain
- / Tailored warranties for the Fronius Power Package

### ENGINEERING & DESIGN

- / Flexibility in system design
- / Easy to plan



## EASY TO INSTALL

/ The Fronius Power Package is made up of three components: Fronius inverters (3 to 6 Fronius Symo inverters or 2 to 4 Fronius Eco inverters per Fronius Power Package), the Fronius AC Combiner and pre-fabricated cables. The inverters and the Fronius AC Combiner are supplied with pre-installed cabling. This means that during installation you just have to connect the pre-fabricated individual parts, minimising the installation time and installation errors. The proven SnapINverter inverter installation system is naturally also used with the Fronius Power Package. Installation therefore could not be any easier.



## INSTALLATION SEQUENCE

1. Installation of the inverters (3 to 6 Fronius Symo inverters or 2 to 4 Fronius Eco inverters) and the Fronius AC Combiner
2. Cabling and mounting of the power stage sets
3. Establishment of DC connection and possible connection of sensors

## MAXIMUM FLEXIBILITY IN DATA COMMUNICATION

/ In addition to its own monitoring portal, Fronius Solar.web, the Fronius Power Package boasts various open interfaces, such as Modbus (TCP or RTU), to enable easy connection to external dataloggers, park regulators or energy management systems. The open Modbus (TCP or RTU) and JSON interfaces can be used in parallel to Fronius Solar.web. Thanks to parallel operation, it is possible for Fronius to access the system remotely and thereby provide the best possible technical support. Equally, through parallel operation, Fronius Solar.web can be used alongside a local controller with third-party components.

/ Thanks to the Fronius Push Service the system data can be sent not only to the Fronius Solar.web server, but to any server. In addition to its dataloggers, Fronius also provides sensor solutions for the connection of insolation and temperature sensors, etc.



## MAXIMUM FLEXIBILITY IN DESIGN

/ The product configuration allows you to create an individual design for your PV system, giving you a wide range of options:

- / Flexible choice of AC inputs
- / Flexible choice of power categories (Fronius Symo: 15.0 kW, 17.5 kW, 20.0 kW; Fronius Eco: 25.0 kW, 27.0 kW)
- / Flexible choice of the position of the Fronius AC Combiner (right/left)
- / Optional service socket (available for the Fronius Symo variant)
- / Optional overvoltage protection in the Fronius AC Combiner
- / Optional choice of pre-fabricated cabling (AC/data)
- / Choice of different DC connection technologies (MC4/screw terminals)
- / Optional overvoltage protection in the inverter

## FLEXIBLE WARRANTIES FROM A SINGLE SOURCE

### FRONIUS WARRANTY PLUS

/ The complete package, comprising the inverters, Fronius AC Combiner and pre-fabricated cabling, is covered as standard by the five-year Fronius Warranty Plus. The benefits for the system owner: claims are handled directly by Fronius and the warranty automatically covers original spare parts.

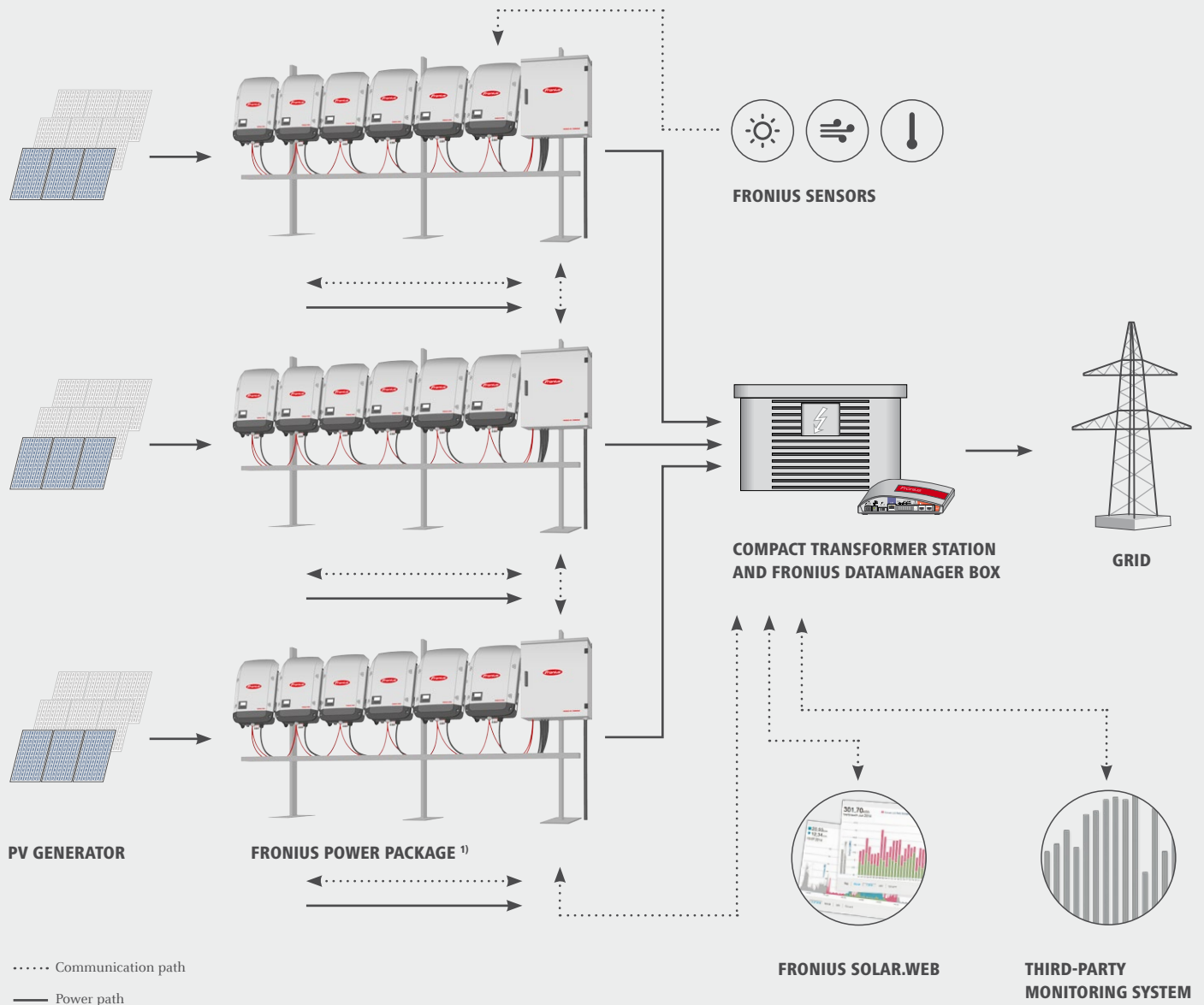
### WARRANTY EXTENSIONS

/ In addition to the manufacturer's warranty, it is possible to extend the warranty period to 10 years from the date of commissioning. The system operator can choose between the following options: Warranty Extension and Warranty Extension Plus.

You can find detailed information about the terms of warranty at:

[WWW.FRONIUS.COM/SOLAR/WARRANTY](http://WWW.FRONIUS.COM/SOLAR/WARRANTY)

## CONFIGURATION DIAGRAM



<sup>1)</sup> Fronius Power Package including Fronius Symo or Fronius Eco, Fronius AC Combiner and pre-fabricated cabling.

/ Perfect Welding / Solar Energy / Perfect Charging

### WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our record of over 1,000 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

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