



SHIFTING THE LIMITS



# FRONIUS GALVO

/ Feature guide



# FRONIUS GALVO TRANSFORMER INVERTER

/ Available in power categories 1.5 - 3.1 kW the Fronius Galvo is the perfect inverter for residential self - consumption systems.



## NOT JUST AN INVERTER, BUT AN ENERGY MANAGEMENT SYSTEM:

/ The Fronius Galvo is the perfect single-phase inverter for private households and is especially suitable for self-consumption systems. Available in power categories from 1.5 to 3.1 kW and with integrated electrical (galvanic) isolation, it is the future-proof inverter for new as well as retrofitting existing PV systems. The Fronius Galvo combines maximum flexibility, innovative technologies and the highest level of safety in a single device. An inverter of proven Fronius quality that is sure to impress.



### PERFORMANCE OPTIMISATION: WIFI INTERFACE

/ The Fronius Galvo efficiently meets every home owners data communication and system monitoring needs. An integrated datamanager ensures easy connection to the internet via Wifi or Ethernet.<sup>1</sup>



- / Easy connectivity
- / No extra monitoring components required



### PERFORMANCE OPTIMISATION: WIRELESS SYSTEM MONITORING

/ With the integrated Fronius Datamanager, you can easily set up a complete monitoring system including extensive data recording, analysis, visualisation as well as remote monitoring. Keep an eye on your yield using your PC, smartphone or tablet without any extra cost.



- / Monitor your system from anywhere in the world
- / Optimise self-consumption by visualizing your production
- / Real time system status alerts via email and SMS



### PERFORMANCE OPTIMISATION: ENERGY MANAGEMENT RELAY

/ With an integrated energy management relay, the Fronius Galvo provides a solution for optimising private consumption of self-generated solar-power. The energy management relay allows power to be directed to a specific electrical appliance. Whenever the PV system produces more than a set power value (e.g. 2,000 W), a relay output is activated and an electrical appliance (e.g. a pool pump) can be operated using the solar electricity generated instead of feeding it into the grid. Output is deactivated when the energy yield drops below a second set value (e.g. 1,800 W).<sup>2</sup>

<sup>1</sup> Also available in light version without integrated Fronius Datamanager

<sup>2</sup> Functionality of the energy management relay depends on the type of appliance utilized. For more information please contact pv-support-australia@fronius.com



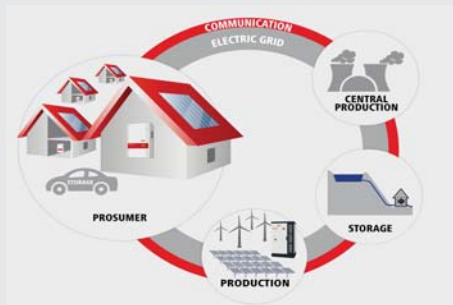
### PERFORMANCE OPTIMISATION: OPEN DATA COMMUNICATION

/ It is easy to connect Fronius inverters to components from third party suppliers. The open Modbus TCP SunSpec standard protocol provides a simple way of establishing a data connection to other systems. The protocol is used via the existing Ethernet interface, guaranteeing reliable communication.



### PERFORMANCE OPTIMISATION: SMART GRID READY

/ As the number of decentralised energy generators rises, so too does the need for an intelligent power grid. In the near future grid operators will impose new requirements on local generators such as photo-voltaic systems - requirements the Fronius Galvo already meets today.



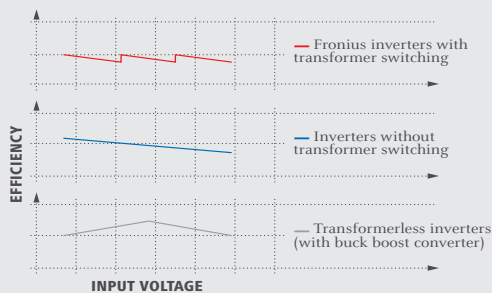
/ Meets present & future grid connection requirements

/ Intelligent functionality helps support and improve stability of grid network



### PERFORMANCE OPTIMISATION: HF TRANSFORMER SWITCHOVER

/ Not one, but three efficiency peaks result in a constant level of efficiency across the entire input voltage range, creating higher yields. Other advantages of HF transformer technology are the compact, light-weight design, a high level of efficiency and safety as a result of electrical (galvanic) isolation.



/ Three efficiency peaks - constant high performance

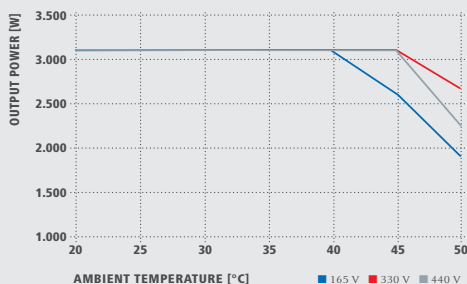
/ Highest level of safety

/ Light weight



### PERFORMANCE OPTIMISATION: VENTILATION CONCEPT

/ Cool air is drawn in through a hermetically sealed channel keeping dust and moisture away from sensitive electronic components. This increases the operating life of your inverter and allows for optimal performance, even at high temperatures.



/ Optimal performance at high temperatures

/ Air-tight sealed channel

/ Keeps out dust & moisture

/ Longer life



### SERVICING: INNOVATIVE HINGED SYSTEM

/ Connection compartment and power module of the inverter are fitted separately. This allows for an easy and efficient installation. If servicing is required only the power module needs to be removed.

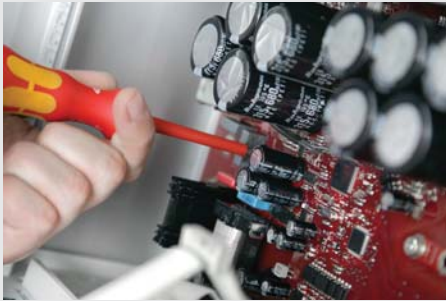


- / Quick installation
- / Easy servicing



### SERVICING: PC BOARD REPLACEMENT CONCEPT

/ The unique design of Fronius string inverters allows easy replacement of the PC boards which can be done on site. This enables our Fronius Service Partners to provide the fastest inverter service available and helps secure your yield.



- / Fastest service available
- / Protect your investment
- / Certified Fronius Service Partners



### WARRANTY EXTENSION

/ Fronius inverters come with a standard 5-year warranty. In addition, you have the option of extending the warranty period to 10, 15 or 20 years.

/ Battery Charging Systems / Welding Technology / Solar Electronics

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

/ Whether Battery Charging Systems, Welding Technology or Solar Electronics - our goal is clearly defined: to be the technology and quality leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our more than 850 active patents are testimony to this. While others progress step by step, we innovate in leaps and bounds. 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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