/ Perfect Welding / Solar Energy / Perfect Charging

FRONIUS DATAMANAGER 2.0

The integrated WLAN datalogger for all applications



The Fronius Datamanager is the communications centre for Fronius inverters for all applications 1). Whenever it is connected to the internet via a LAN or WLAN, the Fronius Datamanager sends the PV system values directly to the Fronius Solar.web online portal. This provides you with an overview of how the system is operating at all times.

The Fronius Datamanager enables inverters to be connected directly to the internet via a WLAN. The system and the Datamanager configuration are monitored via the dedicated website on the integrated web server of Fronius Datamanager. The integrated Modbus RTU SunSpec, Modbus TCP SunSpec and Fronius Solar API (JSON, for actual values) interfaces allow Fronius inverters to be seamlessly linked to third-party systems and run in parallel with Fronius Solar.web.

FRONIUS DATAMANAGER 2.0 AND FRONIUS DATAMANAGER BOX 2.0

TECHNICAL DATA	DATAMANAGER 2.0	DATAMANAGER BOX 2.0
Storage capacity	max. 4096 days	
Supply voltage	12 V DC Power supplied by inverter	12 V DC Power is supplied by the Fronius Solar.Net ring or an external plug-in power supply (not included in the scope of supply)
Energy consumption	< 2,0 W	
Protection class	-	IP 20
Dimensions	132 x 103 x 22 mm	190 x 114 x 53 mm
Operating temperature range	-20 - +65°C	

INTERFACES	DATAMANAGER 2.0	DATAMANAGER BOX 2.0
Ethernet (RJ45 socket)	LAN, 10/100 MBit / Fronius Solar.web, Modbus TCP SunSpec, Fronius Solar API (JSON)	
RS422 (RJ45 socket)	Fronius Solar.Net IN	
RS422 (RJ45 socket)	-	Fronius Solar.Net OUT
WLAN	Wireless standard 802.11 b/g/n / Fronius Solar.web, Modbus TCP SunSpec, Fronius Solar API (JSON)	
6 digital inputs	Interface to ripple control receiver	
4 digital inputs/outputs	Interface to ripple control receiver, load management	
RS485	Modbus RTU SunSpec or meter connection	

[1] This applies to all Fronius inverters (except the Fronius Symo Hybrid).

THE ADVANTAGES AT A GLANCE

/ **Professional visualisation** with the online portal Fronius Solar.web.

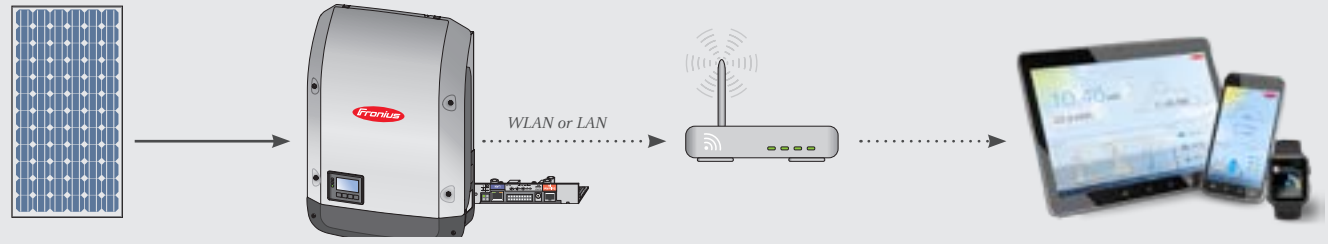
/ **Easy installation** with the commissioning wizard thanks to the configuration process up to and including registration on the Fronius Solar.web online portal.

/ **Straightforward support** as the Fronius Datamanager connects the inverter to the Fronius Solar.web directly.



/ Fronius Datamanager Box 2.0

SIMPLE VISUALISATION



PV GENERATOR

FRONIUS INVERTER WITH
FRONIUS DATAMANAGER OR
FRONIUS DATAMANAGER BOX

ROUTER

FRONIUS SOLAR.WEB

····· Communication path
—— Power path

1. FRONIUS SOLAR.WEB

If required, all data can be sent automatically to the Fronius Solar.web internet platform. This means that both real-time data and archive data can be opened and viewed at any time via the internet.

2. FRONIUS SOLAR.WEB APP

The mobile version of Fronius Solar.web enables you to keep track of the energy yield of your PV system at all times – even when you're on the road.

3. FRONIUS SOLAR.TV

The free Fronius Solar.TV online portal enables various PV system values to be transmitted and displayed clearly in a promotionally effective way in public spaces.

4. FRONIUS DATAMANAGER WEBSITE: VIA LAN OR WLAN

The Fronius Datamanager has a dedicated website to allow users on a local network to access information quickly and easily.

/ More information about technical requirements can be found in the respective datasheet.

/ Only one Fronius Datamanager is required for photovoltaic systems consisting of a number of inverters. A Com Card function (integrated or with a Fronius Com Card) is required in each of the other inverters. A Com Card function is not required in photovoltaic systems that have just a single inverter.
/ Fronius Datamanager 2.0 is compatible with all Fronius inverters. The Fronius Datamanager is integrated into the Fronius Symo, Fronius Symo Hybrid, Fronius Primo, Fronius Galvo and Fronius Eco inverters as standard. Fronius Datamanager can be retrofitted to existing inverters whenever required. Different versions of the Fronius Datamanager are compatible with different types of inverter. Ensure that you are using the appropriate versions for your inverters.

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THREE BUSINESS UNITS, ONE GOAL: TO SET THE STANDARD THROUGH TECHNOLOGICAL ADVANCEMENT.

What began in 1945 as a one-man operation now sets technological standards in the fields of welding technology, photovoltaics and battery charging. Today, the company has around 4,760 employees worldwide and 1,253 patents for product development show the innovative spirit within the company. Sustainable development means for us to implement environmentally relevant and social aspects equally with economic factors. Our goal has remained constant throughout: to be the innovation leader.

Further information about all Fronius products and our global sales partners and representatives can be found at **www.fronius.com**

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