FRONIUS **IG** INVERTERS

ARTICLE DESCRIPTION	ARICLE NO.
Fronius IG 15	4,200,001
Fronius IG 20	4,200,002
Fronius IG 30	4,200,003
Fronius IG 40	4,200,004
Fronius IG 60 HV	4,200,006

Indoor housing for
Fronius IG 15/20/30 with display   44,0240,1001

Outdoor housing for
Fronius IG 15/20/30 with display   44,0240,1005

Indoor housing for
Fronius IG 40/60 HV with display   44,0240,1002

Outdoor housing for
Fronius IG 40/60 HV with display   44,0240,1006

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CONNECTION VARIATIONS

According to your needs, the connection area can be carried out with screw terminal (= basic version) or plugs. DC-plugs of the company MultiContact in two versions (MC 3, MC 4) or from Tyco; up to five strings per inverter.

AC-screw terminal (= basic version)

DC-plugs & AC-screw terminal

DC- & AC-plugs

DC-plugs for Fronius IG Outdoors

ARTICLE DESCRIPTION	ARICLE NO.
Screw terminal = basic version	44,0240,3000

ARTICLE DESCRIPTION	ARICLE NO. MC3	ARICLE NO. MC4	ARICLE NO. Tyco
1 DC-plug + AC-screw terminal	44,0240,3001	44,0240,3041	44,0240,3021
2 DC-plugs + AC-screw terminal	44,0240,3002	44,0240,3042	44,0240,3022
3 DC-plugs + AC-screw terminal	44,0240,3003	44,0240,3043	44,0240,3023
4 DC-plugs + AC-screw terminal	44,0240,3004	44,0240,3044	44,0240,3024
5 DC-plugs + AC-screw terminal	44,0240,3005	44,0240,3045	44,0240,3025
1 DC-plug + 1 AC-plug	44,0240,3006	44,0240,3046	44,0240,3026
2 DC-plugs + 1 AC-plug	44,0240,3007	44,0240,3047	44,0240,3027
3 DC-plugs + 1 AC-plug	44,0240,3008	44,0240,3048	44,0240,3028
4 DC-plugs + 1 AC-plug	44,0240,3009	44,0240,3049	44,0240,3029
5 DC-plugs + 1 AC-plug	44,0240,3010	44,0240,3050	44,0240,3030
1 DC-plug Fronius IG Outdoors	44,0240,3011	44,0240,3051	44,0240,3031
2 DC-plugs Fronius IG Outdoors	44,0240,3012	44,0240,3052	44,0240,3032
3 DC-plugs Fronius IG Outdoors	44,0240,3013	44,0240,3053	44,0240,3033
4 DC-plugs Fronius IG Outdoors	44,0240,3014	44,0240,3054	44,0240,3034
5 DC-plugs Fronius IG Outdoors	44,0240,3015	44,0240,3055	44,0240,3035

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FRONIUS **IG** CENTRAL INVERTERS

Central inverter with MIX^{TM}-Concept for photovoltaic systems from 24 kWp upwards.

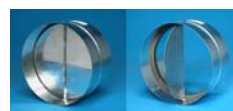| ARTICLE DESCRIPTION	ARICLE NO.
Fronius IG 300	4,200,504
Fronius IG 400	4,200,501
Fronius IG 500	4,200,502

Top Cover IP 20	44,0240,5100
Top Cover IP 43	44,0240,5101
Socket steel (= basic version)	44,0240,5001
Socket stainless (extra charge)	44,0240,5002

Supply Air Option Fronius IG Central Inverters	44,0240,5102
Non-return flap for Fronius IG Central Inverters	42,0200,1011
Personal Display Card integrated for Fronius IG Central Inverters	4,240,017
Extension for RS-232 connection for Fronius IG Central Inverters	4,001,655
Pipe connection for Fronius IG Central Inverters (250>224 mm)	42,0201,2375

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FRONIUS SYSTEM MONITORING

Fronius Com Card

Network interface card for each Fronius IG which is part of a data communication system. Each Fronius Com Card can supply power for up to three additional components. For the supply of more than three components per Com Card an additional power supply is required.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Com Card integrated*)	4,240,001
Fronius Com Card retrofit**)	4,240,001,Z

Fronius Datalogger Card & Box

Responsible for data administration and data storage. You can choose the version „easy" (for systems with only 1 Fronius IG inverter) and version „pro" (for systems with up to 100 Fronius IG inverters and up to 10 Sensor Cards). The Card fits for short distances between the inverter and the PC, the Box fits for longer distances (~25m).

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Datalogger Card easy integrated*)	4,240,003
Fronius Datalogger Card easy retrofit**)	4,240,003,Z
Fronius Datalogger Card pro integrated*)	4,240,002
Fronius Datalogger Card pro retrofit**)	4,240,002,Z
Fronius Datalogger Box easy	4,240,103
Fronius Datalogger Box pro	4,240,102

Definition:

*) integrated: Card is already integrated in the inverter on delivery

**) retrofit: Card for retrofitting

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FRONIUS SYSTEM MONITORING

Fronius Datalogger Web

Network-compatible Datalogger with the functionality of a small web server. Transforms the information data of a pv-system automatically into a website and enables data visualisation via Fronius Solar.access, via the Datalogger Website itself and also via Fronius Solar.web.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Datalogger Web	4,240,122

Fronius Interface Card & Box

Has a serial interface with an open data protocol that enables the latest PV data to be downloaded from the inverter and processed. This will have following advantages:

- Integration of system data in other IT systems (building control, alarm systems,...)
- Data transfer to PC for other visualisation purposes (e.g. to include PV data on a homepage)
- Interface to other data logging systems

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Interface Card integrated*)	4,240,009
Fronius Interface Card retrofit**)	4,240,009,Z
Fronius Interface Box	4,240,109

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FRONIUS SYSTEM MONITORING

Fronius Datalogger & Interface (Box)

Combination of Datalogger and Interface Card in one housing – reduces costs and installation time; created especially for PV systems that shall be equipped with a data communication system for the first time.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Datalogger & Interface (Box)	4,240,105

Definition:

*) integrated: Card is already integrated in the inverter on delivery

**) retrofit: Card for retrofitting

Fronius Sensor Card & Box

Enables the connection of sensors for the determination of additional data, e.g. weather data.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Sensor Card integrated*)	4,240,004
Fronius Sensor Card retrofit**)	4,240,004,Z
Fronius Sensor Box	4,240,104

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FRONIUS SYSTEM MONITORING

Power Supply

The power supply for DATCOM is plugged on one component and supplies the remaining components. This product is only required if more than three components per Com Card are integrated in the DATCOM-system.

ARTICLE DESCRIPTION	ARICLE NO.
Power supply	43,0001,1194

Definition:

*) integrated: Card is already integrated in the inverter on delivery

**) retrofit: Card for retrofitting

Fronius String Control

This component is an optional part of the Fronius Data communication (DATCOM) and has been developed especially for large pv systems working with Fronius IG 300, 400 and Fronius IG 500 central inverters. One Fronius String Control enables the monitoring of up to 25 module strings.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius String Control	4,240,110

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FRONIUS SYSTEM MONITORING

Connection variation for Fronius String Control

According to your needs with DC-plugs of the company MultiContact in two different versions (MC 3, MC 4) or from the company Tyco; (for 10, 15, 20 or 25 strings).

Note: The fuses required are NOT included. Please use commercially available industrial fuses that are approved for the direct voltage of the strings. Every fuse should be selected so that its rated current is at least 1.5 times the short-circuit amperage of the string to be protected.

ARTICLE DESCRIPTION	ARICLE NO. MC3	ARICLE NO. MC4	ARICLE NO. Tyco
Connection area Fronius String Control	44,0240,3110	44,0240,3120	44,0240,3130

Industrial fuses for direct voltage

When selecting fuses please pay attention both to their appropriate rated current and also to their dimensions and dielectric strength. Fuses available from Fronius:

ARTICLE DESCRIPTION	ARICLE NO.
Industrial fuse; rated current 5 A	41,0007,0205
Industrial fuse; rated current 8 A	41,0007,0223
Industrial fuse; rated current 10 A	41,0007,0207
Industrial fuse; rated current 15 A	41,0007,0217
Industrial fuse; rated current 20 A	41,0007,0200

Fronius Public Display

Display for the visualisation of PV system data in public areas.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Public Display	4,240,306

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FRONIUS SYSTEM MONITORING

Fronius Public Display Card & Box

Card and Box are compatible with all displays of the company RICO. For short distances between inverter/s and display please choose the Card, for longer distances (~20-30 m) please choose the Box.

ARTICLE DESCRIPTION	ARICLE NO.
Public Display Card integrated*)	4,240,006
Public Display Card retrofit**)	4,240,006,Z
Public Display Box	4,240,106

Definition:

*) integrated: Card is already integrated in the inverter on delivery

**) retrofit: Card for retrofitting

Fronius Personal Display

Wireless display in compact format for data transmission of up to 15 Fronius IG inverters.
Note: The Fronius Personal Display is only compatible with inverters from serial number 14330071 (and higher). The use of a Personal Display does not require the integration of a Com Card or Fronius Datalogger.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Personal Display	4,240,107

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FRONIUS SYSTEM MONITORING

Fronius Personal Display Card (incl. antenna)

Plug in card for each Fronius IG inverter whose data shall be transmitted to the Personal Display (the required antenna is enclosed to the Card).

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Personal Display Card integrated*)	4,240,007
Fronius Personal Display Card retrofit**)	4,240,007,Z

Fronius Signal Card

Emission of an audio-visual warning in case of a state change / malfunctions at the PV system. As the Signal Card works self-sufficient, there is no Com Card required.

Note: The Fronius Signal Card is only compatible with inverters from serial number 14330071 (and higher).

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Signal Card integrated*)	4,240,012
Fronius Signal Card retrofit**)	4,240,012,Z

Definition:

*) integrated: Card is already integrated in the inverter on delivery

**) retrofit: Card for retrofitting

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FRONIUS SOFTWARE

Fronius Solar.configurator

The software supports you in the best possible way to get the perfect sizing of pv systems. Even complex systems can be dimensioned easily.

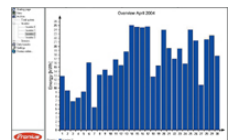| ARTICLE DESCRIPTION	ARICLE NO.
Fronius Solar.configurator	no

Fronius Solar.access

Software for PC/Laptop; for the professional visualisation of PV system data. Enables the administration of up to 100 Fronius IG inverters. A CD with the software is enclosed to the data logger for free.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Solar.access	no

Fronius Solar.message

The software enables the sending of warning messages in form of a message on your PC screen, via Fax, as SMS or via E-mail.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Solar.message	no

Fronius Solar.interface

This programme is the counterpart to the Fronius Interface Card / Box and supports potential developers to design an own counterpart for subsequent processing of PV system data.

ARTICLE DESCRIPTION	ARICLE NO.
Fronius Solar.interface	no

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ACCESSORIES

Sensors

ARTICLE DESCRIPTION	ARICLE NO.	
Ambient temperature sensor PT 1000	43,0001,1188	
Module temperature sensor PT 1000	43,0001,1190	
Irradiation sensor	43,0001,1189	
Wind sensor	42,0411,0027	

DC-isolating boxes

The DC-isolating boxes are designed for the use in grid connected photovoltaic systems with several strings of solar modules. With the integrated DC-isolator, the inverter can be turned to zero-potential in case of service work.

ARTICLE DESCRIPTION	ARICLE NO.	
DC-isolating box for Fronius IG 15/20/30	42,0300,2438	
DC-isolating box for Fronius IG 40/60 (HV) with integrated DC-fuses	42,0300,2672	

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ACCESSORIES

MODEMS

To realise perfect remote system monitoring, Fronius recommends the usage of the following modem.

ARTICLE DESCRIPTION	ARTICLE NO.
TIXI Message Modem analog (AT V.90)	41,0018,0037

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