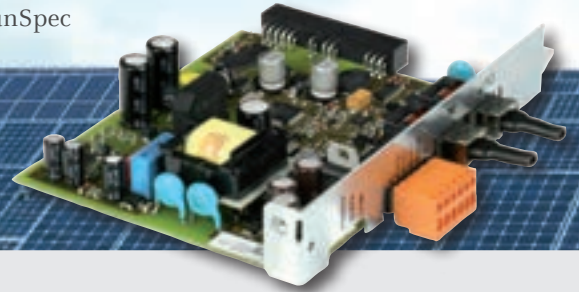




FRONIUS MODBUS CARD

/ Easy integration of third-party components via Modbus RTU – SunSpec



/ With the Fronius Modbus Card, Fronius inverters can be easily integrated into third-party monitoring systems. PV system data is available in the standardized Modbus RTU – SunSpec protocol in order to be processed. Likewise it is also possible to control the inverter by a third-party component. Integration of the Fronius Modbus card is possible in both new and existing systems, and is easy to install. The Fronius Modbus card works with Fronius IG, Fronius IG Plus and Fronius CL inverters.

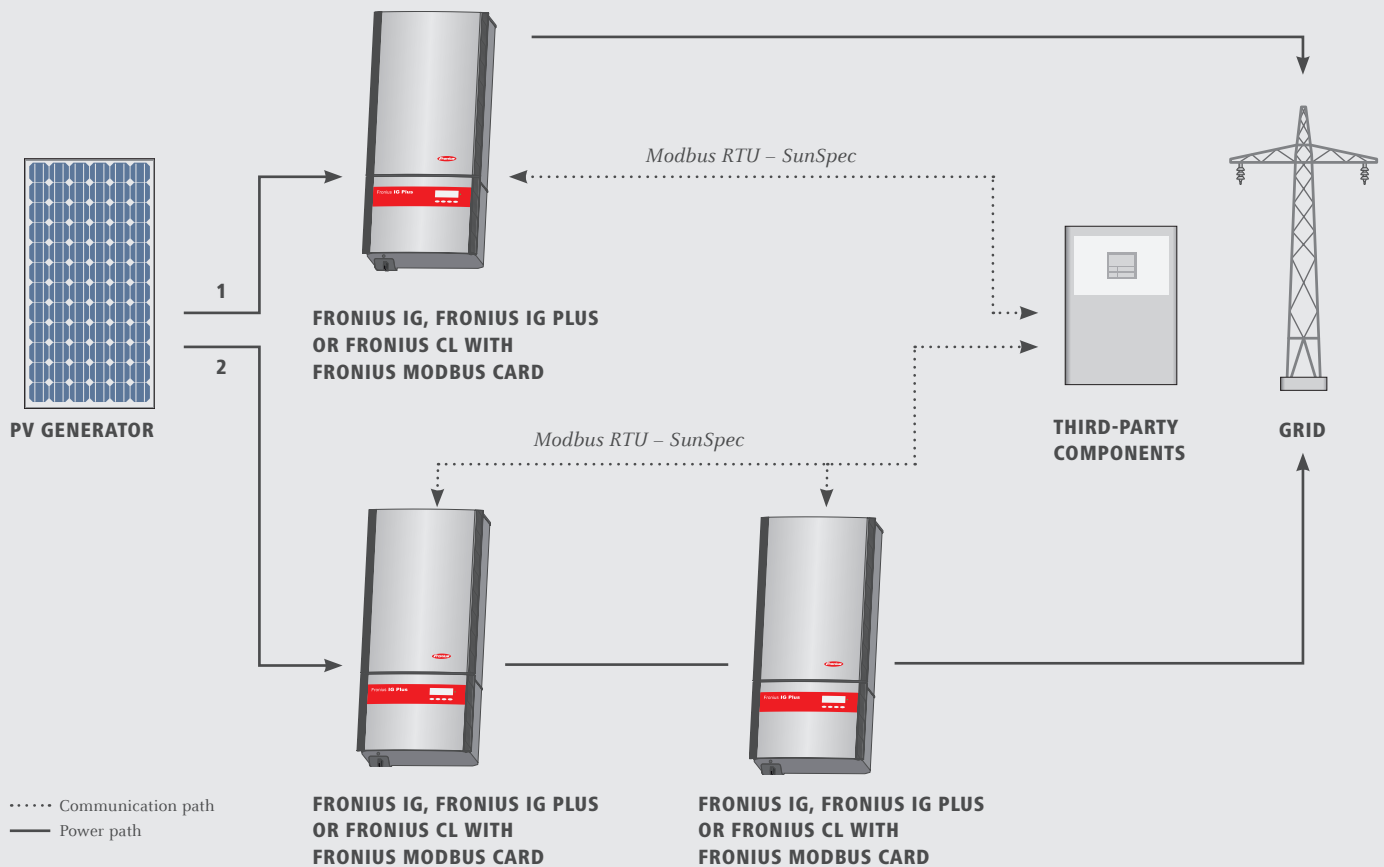
FRONIUS MODBUS CARD

TECHNICAL DATA	
Supply voltage	208 V / 240 V / 277 V (+10% / -15%) Power supply via AC from the Fronius inverter
Power consumption	1.6 W
Dimensions (length x width x height)	5.5 x 3.9 x 1.1 in. (140 x 101 x 28 mm)
Interfaces	Port: Description:
- Fronius Solar Net	RJ45 »IN«
- Fronius Solar Net	RJ45 »OUT«
- Modbus RTU	6-pin terminal »C, TXD0, TXD1, RXD1, RXD0, V«
Connection options	Modbus RTU 2 or 4 wire
LED Indicators	
- Power LED	Green
- State LED	Red
- Com LED	Yellow

APPLICATIONS FOR THE FRONIUS MODBUS CARD

- / Third-party Dataloggers
- / Integration in data monitoring systems
- / Building management systems

CONFIGURATION DIAGRAM



1. PV SYSTEMS WITH ONE INVERTER

/ The Fronius Modbus Card can be installed easily in any Fronius IG, Fronius IG Plus or Fronius CL inverter. The Fronius Modbus Card communicates with third-party components via the Modbus RTU – SunSpec protocol.

2. PV SYSTEMS WITH MORE THAN ONE INVERTER

/ Systems using more than one inverter require one Fronius Modbus card per inverter. The Fronius Modbus Card communicates with third-party components via the Modbus RTU – SunSpec protocol.

NOTICE:

/ In order to use the Modbus SunSpec Inverter Control Model, a Brain 2.0 is necessary, which is used with the following inverters:
 Fronius CL: from serial number 24033431, setup SI, IT BT
 Fronius IG Plus V: from serial number 24031463, setup IT BT, EXC EU, EU, EXC Int., SI
 Fronius IG Plus Advanced (USA)

/ Perfect Welding / Solar Energy / Perfect Charging

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/ 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 more than 850 active patents are 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

v02 Feb 2014 EN

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