



Inverter Manufacturer Prerequisites for Inverter-Direct Monitoring

Fronius

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
IG Series	9

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

If monitoring a SINGLE inverter that has a serial number starting with 1715 and higher:

- You may use the "Fronius IG Interface Card easy."

If monitoring a SINGLE inverter that has a serial number starting with LESS than 1715:

- You will need to purchase the "Fronius IG COM Card, Retrofit" and the "Fronius IG Datalogger Interface Box" per site.

If monitoring multiple inverters (all serial numbers):

- You will need to purchase the "Fronius IG COM Card, Retrofit" per inverter, and the "Fronius IG Datalogger Interface Box" per group of 9 inverters.

Fronius Device	Manufacturer's P/N
Fronius IG Datalogger Interface Box	4,240,105
Fronius IG COM Card, Retrofit	4,240,001,Z
Fronius IG Interface Card easy	
NOTE: Only for use with FRONIUS IG Inverters with serial numbers starting with 1715 and higher. Call Fronius Technical Support at (810) 220 - 4414 with your inverter's serial number if you are uncertain about compatibility.	4,240,013,Z

SMA

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
Sunny Boy	9
Sunny Central	1

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

• SMA Sunny Boy

Each SMA Sunny Boy requires one RS485 Communication Card from SMA to communicate with the Fat Spaniel Gateway.

SMA Device	Manufacturer's P/N
RS485 Communication Card	SBRS485-N

Fat Spaniel Technologies, Inc.
2 West Santa Clara Street
5th Floor
San Jose, CA 95113-1824
USA
Tel: 408.279.5262
Fax: 408.516.9111
www.fatspaniel.com
sales@fatspaniel.com

• SMA Central

No special equipment needs to be ordered from SMA to connect to a Sunny Central inverter. The Fat Spaniel Gateway connects to the male DB9 connector labeled COM3 on the Sunny Central inverter, with the Fat Spaniel provided cable.

Xantrex

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
GT2.5 - 5.0	1
GT100, GT250	1
PV Series	1

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

• Xantrex GT2.5 - 5.0

No special equipment needs to be ordered from Xantrex to connect to a GT2.5 - 5.0. Only ONE inverter can be connected directly to one Fat Spaniel Gateway. Multiple inverter sites will require multiple communication gateways.

• Xantrex PV Series, GT100, GT250, GT500

Xantrex communications module P/N 1-152658-01, which must be drop-shipped by Xantrex to Fat Spaniel for conversion.

OutBack Power Systems

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
MATE or MATE2	1 (up to 3 MX charge controllers and 3 FX inverters)
MX Series (charge controller)	3
FX Series (inverter)	3

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

- To monitor a single FX inverters or MX charge controllers, you will need from OutBack one "MATE" or "MATE2" as well as the communication cables between the OutBack equipment from OutBack. The Simple View is limited to three inverters and three charge controllers. To program the Mate to communicate through its RS232 output port with the Gateway follow the instructions provided on the installation documents.
- To monitor up to 3 FX inverters or up to 3 MX charge controllers in any combination, you will need from OutBack one "MATE" or "MATE2" AND one "HUB4" or "HUB10" as well as the communication cables between the OutBack equipment from OutBack. The Simple View is limited to three inverters and three charge controllers. To program the Mate to communicate through its RS232 output port with the Gateway follow the instructions provided on the installation documents.
- Flexnet DC - new OutBack DC monitoring product (not yet available, stay tuned)

OutBack Device	Manufacturer's P/N	MSRP
Four Port Hub, Up to 4 devices and one MATE	HUB4	\$195
Ten Port, Up to 10 devices and one MATE	HUB10	\$375
Universal version MATE, Gray oval housing with RS232 serial port	MATE	\$295
Universal version, Black square housing with RS232 serial port	MATE2	\$295

Solectria

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
PVI 1800, PVI 2500	9
PVI 13, PVI 15, PVI 60, PVI 82, PVI 95	9

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

- **Solectria PVI 1800 and 2500**

No special equipment needs to be ordered from Solectria to connect to a PVI 1800 or PVI 2500 inverter.

- **Solectria PVI 13, PVI 15, PVI 60, PVI 82, PVI 95**

No special equipment needs to be ordered from Solectria to connect to a PVI 13, PVI 15, PVI 60, PVI 82, or PVI 95 inverter.

SatCon

Supported Products:

Product Name	Number of Devices per Fat Spaniel Gateway
PowerGate Series	1 or 2

Manufacturer's equipment needed for Fat Spaniel Gateway to communicate with device:

No special equipment needs to be ordered from SatCon to connect to a PowerGate inverter. The Fat Spaniel Gateway connects to the terminal block labeled TBR on the PowerGate inverter. **Important:** Note that there are two terminal blocks inside the SatCon inverter. The RS-485 signals are on the block labeled TBR. **Do NOT use the block labeled TBC.**