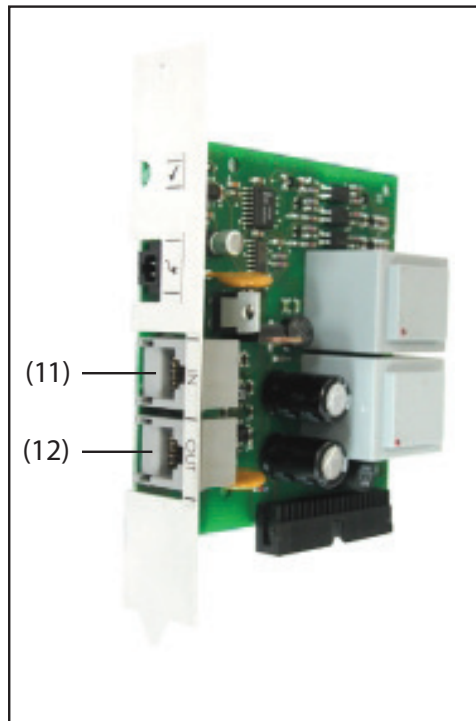


# COM Card



t. 866. 258. 0110  
f. 866. 437. 5531  
e. sales@hespv.ca  
w. hespv.ca

## General



The COM cards provide the data link between the FRONIUS IG and the LocalNet, and thus to the Dat-Com components connected to this network. For this reason, the COM cards are only available as plug-in cards. A COM card is required in each FRONIUS IG unit.



## Connections

The COM card has two RS-485 interfaces for data transmission  
(11) Data communication input “IN”  
(12) Data communication output “OUT”

Precise details of the connector and cable versions for data transmission can be found in the “LocalNet - Installing the System Components” section.

The general connections and displays are described in the “Connections and displays” section.


## Power Supply

COM cards are equipped with an integral power pack to supply power to the DatCom components. The integral power pack of such a COM card is powered via special contacts in the slot. These contacts carry mains voltage even when the inverter is not feeding power into the grid. A COM card with integral power pack can supply three additional DatCom components.

Power Supply  
(continued)

**Important!** Additional DatCom components can be supplied even if they are located in a different FRONIUS IG unit or in an external box.

Each DatCom component has an LED that lights up green to indicate that it has a sufficient power supply. With the COM cards described here, the LED lights up green to signal that the integral power pack is working.


 **NOTE:** If a COM card is used and the FRONIUS IG is connected on the AC side, the green LED must light up.

If this is not the case, the error may be one of the following:

- The COM card is not being used correctly..
- The FRONIUS IG is not connected on the AC side.
- A short-circuit has occurred in the connecting cables to the other system components.
- The COM card has to supply more than three DatCom components.

If too many DatCom components


- Attach a plug-in power supply unit to a DatCom component on which the green LED does not light up..

 **NOTE:** If a PV system has just one FRONIUS IG, but more than three DatCom components, the COM card in the FRONIUS IG may not supply enough power for all the DatCom components. This means that the green LED would not light up on all the Dat- Com components. In this case, plug the additional power supply unit into one of the DatCom components on which the green LED does not light up.

Further information on the COM cards can be found in the „Power Supply“ section.

Power of a  
COM card

The maximum output power of a COM card with integral power pack for supplying additional DatCom components is around 3 W (depending on the mains voltage).

 **NOTE:** At particularly weak points on the network (where the AC voltage is less than 200 V), a COM card may only be able to supply two DatCom components.



t. 866. 258. 0110  
f. 866. 437. 5531  
e. sales@hespv.ca  
w. hespv.ca