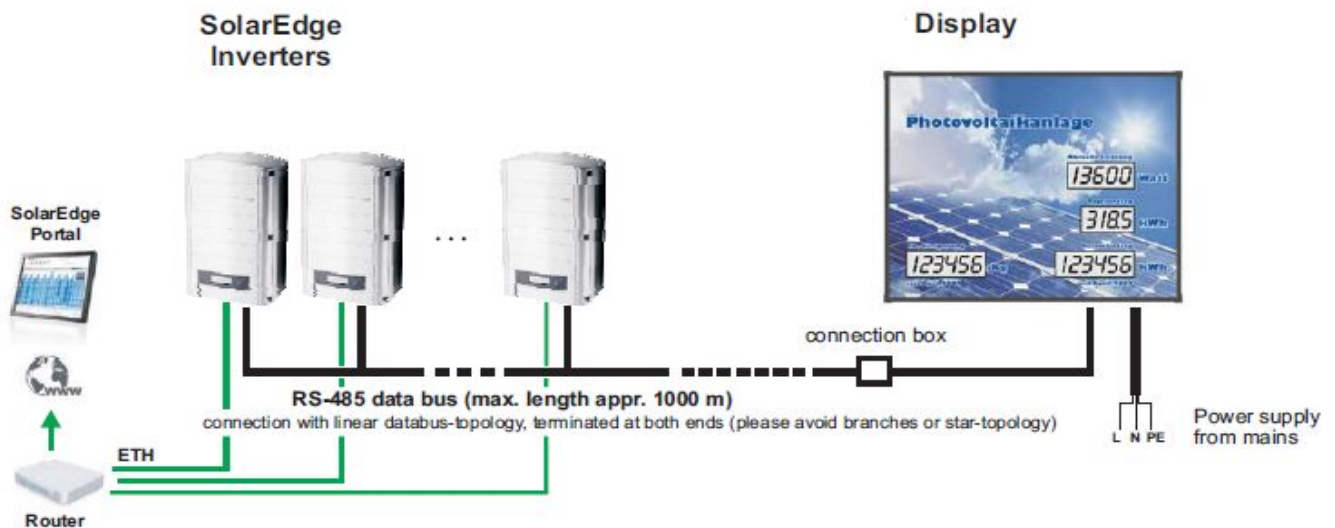


## Connection diagram: Display for SolarEdge-Inverters

The display unit is equipped with two cables, each about 3 m long, which provide the connection to mains and to the data source.

The display has to be connected directly to the RS-485-Inverter-Bus (e.g. shielded cable: JY-(St)-Y 4 x 0.6 mm<sup>2</sup>).



mains cable	H03VV-F3 x 0.75 mm <sup>2</sup>	brown blue yellow/green	L N PE	Mains 230V, 50 Hz LCD: typ. 1,5 Watt LED: typ. 11 Watt
data cable	3 x 0.25 mm <sup>2</sup>	brown blue grey	A B Gnd	Interface RS-485 to SolarEdge Inverters

### Concept of Data Collection:

The SolarEdge inverters can be addressed directly by the display on their Modbus-RTU-interface.

All data which is transmitted via interface ( e.g. "actual power" or "total energy") can be visualized 1:1 on the display unit. Additional data (such as "daily energy" or a CO<sub>2</sub> - equivalent value can be calculated in the display unit.

### Safety Information:

Installation of the display unit by skilled staff only.  
Relevant rules for electrical safety have to be followed.  
Disconnect from mains before opening.

### DataConnection / Configuration

The display uses the Modbus RTU interface of the inverters as a master on the RS-485 data bus. Each inverter has to get its own device-ID (bus address). The display requests the address-range 1 to 10.

Please terminate the RS-485 data bus at both ends. (Set termination at last inverter in the chain : Dip-switch (sw7) on communication circuit board of inverter - as described in SolarEdge installation manual).

The parameters of the RS-485 interface must be adjusted at the inverter suitable for data query of the display.

Menu item: <Communication> / <RS-485 - 1 Conf>

Please adjust the following parameters:

<Device type> : Non - SolarEdge Datalogger

<Protocol> : SunSpec

<Device-Id> : 1 .. 10

<Baud rate> : 9600baud