



Opsætning af FRONIUS Inverter til RS485 kommunikation

Følgende steps skal gennemføres:

1. Check software versionsnummer for hver inverter
Vigtigt Check at versionsnummeret er 4.22.00 eller højere
2. Tildel hver inverter en unik adresse
3. Aktiver interface protokol for hver inverter
4. Forbind inverterne med et patch cable
5. Forbind Inverter til eviShine's Converter
6. Sæt terminator stik i „IN“ på den sidste inverter.
7. Sæt baud rate på inverterne, hvis de ikke i forvejen er sat til 2400

1. Check software versionsnummer

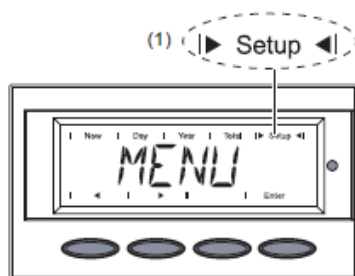
(1) Setup

1. Switch to the menu level (press the 'Menu' key)
2. Select the 'Setup' (1) mode using the 'Left' or 'Right' keys
◀ ▶
3. Press the 'Enter' key
- 'Stand_{by}' is displayed
4. Select the 'VERSION' menu item
5. Press the 'Enter' key
- 'MAINCTRL' is shown
6. Press the 'Enter' key



- The version number of the IG Brain unit is shown

2. Tildel hver inverter en unik adresse



1. Switch to the menu level (press the 'Menu' key)
2. Select the 'Setup' (1) mode using the 'Left' or 'Right' keys



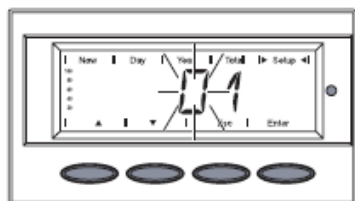
3. Press the 'Enter' key
- 'Stand_{by}' is displayed



4. Select the 'IG-NR' menu item using the 'Up' and 'Down' keys
5. Press the 'Enter' key



- The inverter number is shown, the first digit flashes.

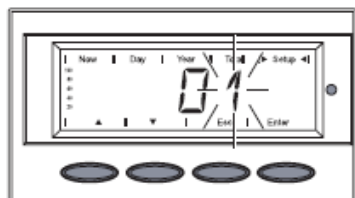


6. Use the 'Up' and 'Down' keys to select a value for the first digit



7. Press the 'Enter' key

- The second digit flashes

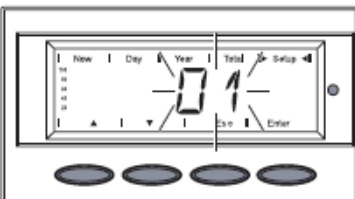


8. Use the 'Up' and 'Down' keys to select a value for the second digit



9. Press the 'Enter' key

- The set inverter number flashes

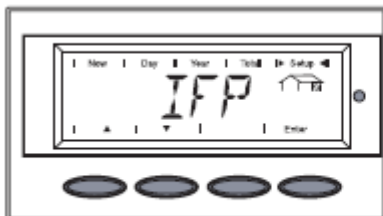
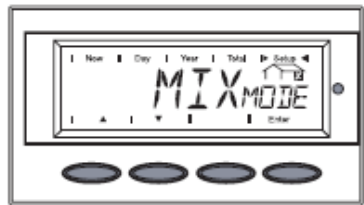
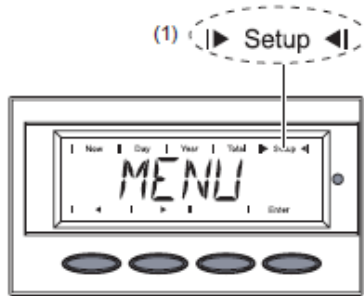


10. Press the 'Enter' key
- The number is accepted

11. Press the 'Esc' key to exit the 'IG-Nr' menu option



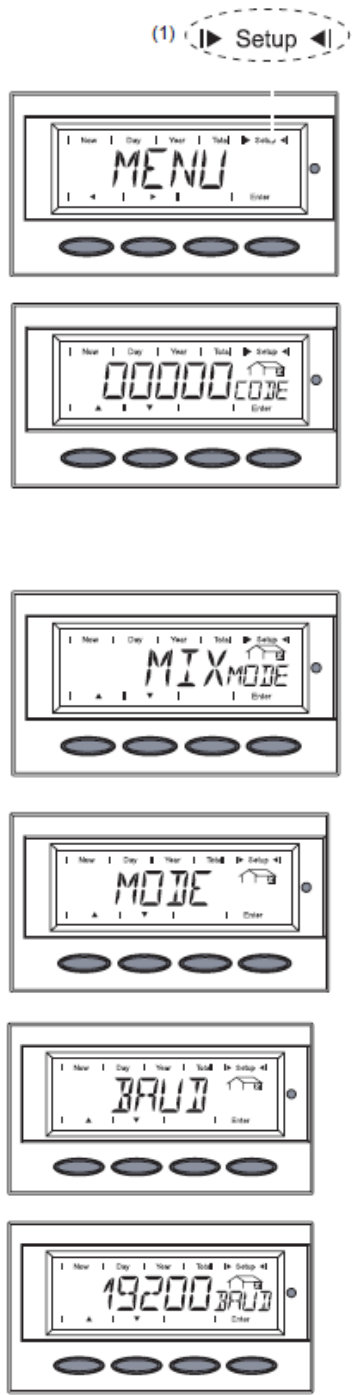
3. Aktiver interface protokol for hver inverter



1. Switch to the menu level (press the 'Menu' key)
 2. Select the 'Setup' (1) mode using the 'Left' or 'Right' keys
◀ ▶
 3. Press the 'Enter' key
- 'Stand_{by}' is displayed
 4. Immediately press the 'Menu' key five times
- '00000_{CODE}' is displayed
 5. Use the 'Up' and 'Down' keys to change the flashing number
▲ ▼
 6. Confirm the number using the 'Enter' key
 7. Enter code 22742
 8. After entering all numbers, press the 'Enter' key
- Display flashes
 9. Press the 'Enter' key again
- 'MIX_{Mode}' is displayed
- Important 'DC_{Mode}' is displayed for inverters with only one power module.
10. Use the 'Up' and 'Down' keys to select 'COMM'
▲ ▼
 11. Confirm using the 'Enter' key
- 'MODE' is displayed
 12. Confirm using the 'Enter' key
- 'IFP' is displayed
 13. Use the 'Up' and 'Down' keys to select 'IFP' or 'Dat_{com}'
▲ ▼
 14. Confirm using the 'Enter' key
- The protocol type has been changed
- 'MODE' is displayed



4. Sæt baud rate på inverterne, hvis de ikke i forvejen er sat til 2400



1. Switch to the menu level (press the 'Menu' key)
2. Select the 'Setup' (1) mode using the 'Left' or 'Right' keys
◀ ▶
3. Press the 'Enter' key
- 'Stand_{by}' is displayed
4. Immediately press the 'Menu' key five times
- '00000_{CODE}' is displayed
5. Use the 'Up' and 'Down' keys to change the flashing number
6. Confirm the number using the 'Enter' key
7. Enter code 22742
8. After entering all numbers, press the 'Enter' key
- Display flashes
9. Press the 'Enter' key again
- 'MIX_{Mode}' is displayed
- Important** 'DC_{Mode}' is displayed for inverters with only one power module.
10. Use the 'Up' and 'Down' keys to select 'COMM'
11. Confirm using the 'Enter' key
- 'MODE' is displayed
12. Use the 'Up' and 'Down' keys to select 'IFP'
13. Confirm using the 'Enter' key
- 'Baud' is displayed
14. Use the 'Up' and 'Down' keys to select 'BAUD'
15. Confirm using the 'Enter' (5) key
- A value from 2400 to 19200 is displayed
16. Use the 'Up' and 'Down' keys to select a value for the baud rate
17. Confirm using the 'Enter' key
18. Exit the menu using the 'Esc' key

After you exit the menu structure, the inverter will run a startup test. 'Start_{up}' will be displayed during this time.



5. Forbind inverterne med et patch kable

Hvis der er flere invertere skal disse forbindes med et patch kabel

6. Sæt terminator stik i „IN“ på den sidste inverter.

Den medfølgende terminator (lukket RJ45 stik) sættes i den sidste inverters ”IN” port.

7. Forbind Inverter til eviShine’s Converter

Forbind den første inverters ”OUT” port med eviShine’s Converter vha. det medfølgende RS485 kabel.

Fronius kabling på converter

RJ45 stik	Converter
Pin3	TR+ hvid/grøn
Pin6	TR- grøn
Pin2	G hvid/orange
Pin4	R+ blå
Pin5	R- hvid/blå
Pin7	G orange

Vær opmærksom på der er 12V på Pin1 og Pin8.

Hvis det er en SYMO inverter må der ikke være datamanagerkort i.