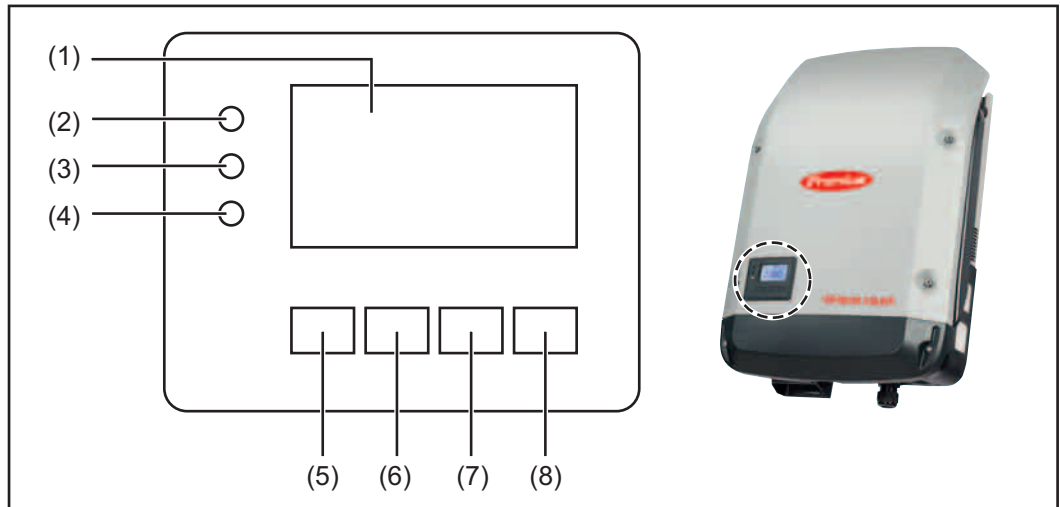


Controls and indicators

Controls and indicators



Item	Description
(1)	Display showing values, settings and menus
Monitoring and status LEDs	
(2)	General status LED (red) on steady, <ul style="list-style-type: none"> - if a status message is being displayed on the monitor - if the process of feeding energy into the grid is interrupted - while error handling (the inverter waits for an acknowledgement or for an error to be rectified)
(3)	Startup LED (orange) on steady if <ul style="list-style-type: none"> - the inverter is in its automatic startup or self-test phase (as soon after sunrise as the solar modules are delivering sufficient power) - the inverter has been switched to standby mode in the setup menu (= feeding energy into the grid switched off manually) - the inverter software is being updated
(4)	Operating status LED (green) on steady, <ul style="list-style-type: none"> - if the PV system is working correctly after the inverter's automatic startup phase - all the time while energy is being fed into the grid
Function keys - allocated different functions depending on the selection:	
(5)	'Left/up' key for navigating to the left and up
(6)	'Down/right' key for navigating down and to the right
(7)	'Menu/Esc' key for switching to the menu level for quitting the Setup menu
(8)	'Enter' key for confirming a selection

The keys are capacitive, and any exposure to water can impair their function. Wipe the keys dry with a cloth if necessary to ensure optimum functionality.

Display

Power for the display comes from the mains voltage. Depending on the setting selected in the Setup menu, the display can be kept on all day.

IMPORTANT! The display on the inverter is not a calibrated measuring device. A slight inaccuracy in comparison with the energy meter used by the energy supply company is intrinsic to the system. A calibrated meter will be needed to calculate the bills for the energy supply company.

NOW	Menu item
AC Output Power	Parameter declaration
1759 W	Display of values, units and status codes
↑ ↓ ↵	Function key functions

Display areas in display mode

SETUP 1 ④ ψ	Energy-Manager (**) Inv. no. Save symbol USB conn.(***)
Standby DATCOM USB Relay Clock	Menu item
↑ ↓ ↵ ↵	Previous menu items
	Currently selected menu item
	Next menu items
↑ ↓ ↵ ↵	Function key functions

Display areas in setup mode

- (*) Scroll bar
- (**) The Energy Manager symbol is displayed when the Energy Manager function is activated
- (***) Inv. no. = Inverter DATCOM number,
Save symbol - appears briefly while set values are being saved,
USB connection - appears if a USB stick has been connected

The menu level

Activate display backlighting

- 1 Press any key

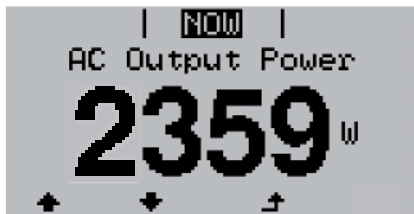
The display backlighting is activated.

There is an option under 'Display Settings' in the SETUP menu to set the display backlighting so that it is on all the time or off all the time.

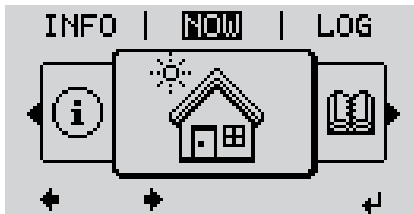
Automatic deactivation of display backlighting / choose 'NOW' menu item

- If no key is pressed for 2 minutes,
- the display backlighting switches off automatically and the inverter goes to the 'NOW' menu item (assuming the display backlighting is set to automatic).
 - The selection of the 'NOW' menu item can happen from any position on the menu level with the exception of the item 'Standby' on the Setup menu.
 - The amount of energy currently fed in is displayed.
-

Open menu level



- 1 Press the 'Menu' key

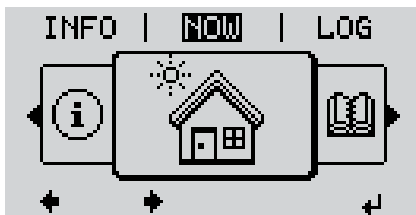


The display switches to the menu level

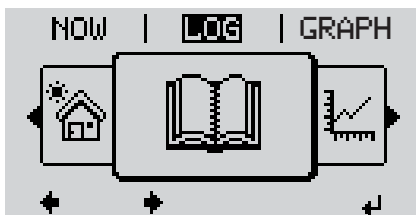
- 2 Use the 'Left' or 'Right' keys to select the desired menu item
- 3 Press the 'Enter' key to select the desired menu item

The NOW, LOG and GRAPH menu items

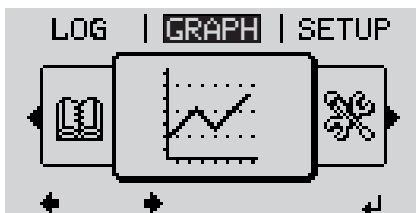
NOW
LOG
GRAPH



NOW
(Displays real-time values)



LOG
(Data recorded today, during the current calendar year and since the inverter was first commissioned)



GRAPH
Day characteristic displays a plot showing the power output during the day. The time axis is scaled automatically.

Press the 'Back' key to remove the display

Values displayed in the NOW and LOG menu items

Values displayed in the NOW menu item:

Output power [W]

Grid voltage (V)

Output current (A)

Grid frequency (Hz)

Solar voltage (V)

Solar current (A)

Time

Time on the inverter or in the Fronius Solar Net ring

Date

Date on the inverter or in the Fronius Solar Net ring

Values displayed in the LOG menu item:

(for today, during the current calendar year and since the inverter was first commissioned)

Energy fed in (kWh, MWh)
Energy fed into the grid over the period in question

There may be discrepancies with values displayed on other measuring instruments because of differences in measuring methods. As far as adding up the energy fed in is concerned, the only binding display values are those produced by the calibrated measuring device provided by the electricity supply company.

Max. output power (W)
Largest amount of power fed into the grid during the period in question

Yield
Amount of money earned during the period in question (currency can be selected in the Setup menu)

Like the energy supplied figure, the yield figure may also exhibit discrepancies with other measured values.

The 'Setup Menu' section explains how to select a currency and charge rate. The factory setting depends on the respective country setup.

CO₂ savings (g / kg)
CO₂ emissions saved during the period in question

The value for CO₂ savings depends on the power station facilities and corresponds to the CO₂ emissions that would be released when generating the same amount of energy. The factory setting is 0.53 kg / kWh (source: DGS – Deutsche Gesellschaft für Sonnenenergie e.V. (German Society for Solar Energy))

Max. AC Grid Voltage (V)
Highest AC grid voltage measured during the period in question

Max. PV Array Voltage (V)
Highest PV array voltage measured during the period in question

Operating Hours
Length of time the inverter has been working (HH:MM).

IMPORTANT! A prerequisite for the correct display of day and year values is that the time is set correctly.
