

Before installing the Letrika communication gateway please read the User manual that can be found at the <http://www.letrikasol.com>.

INSTALLATION

When installing the Letrika communication gateway be aware that the micro inverter antenna and the Letrika communication gateway antenna must be in the visible range and the distance between each other should not be more than 30m. If this is not possible, please use the antenna extension cable.

Please follow next steps during the installation of Communication gateway:

STEP 1

Attach the pylon to the wall using screws and hole-in anchors.

STEP 2

Attach the other part of the pylon to the Letrika communication gateway.

STEP 3

Attach the Letrika communication gateway to the wall using the pylon.

STEP 4

Screw WMbus and Wlan antennas to the WMbus antenna connector and Wlan antenna connector on the Letrika communication gateway.

STEP 5

Insert SD card into SD card slot. Letrika communication gateway is using SD card for storing plant measurements. If the SD card is missing only the current measurements will be stored. Note that SD card is not included in the package.

STEP 6

Connect Letrika communication gateway to the power adapter. Gateway can be used when the Communication gateway status LED turns green.

STEP 7

Remember the network IP that can be found at the Network info menu on the Letrika communication gateway LCD screen (use Menu keys for navigation).

STEP 8

Connect your PC/tablet/smart phone to the Wi/Ethernet network and start your preferred web browser.

STEP 9

Insert the network IP from step 7: into the URL bar of your preferred web browser and the Setup wizard should start automatically.

REGISTRATION

Preferred way of micro inverter registration is through Letrika communication gateway web application. Only if that is not possible use the registration of micro inverters via LCD screen.

Registration of micro inverters via LCD screen

1. The default view on the LCD screen is Plant info.



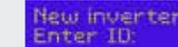
```
Plant info
Energy: 75.8kWh
Power : 672.0W
Status: alarms
```

2. Click on the DOWN key once to move to the Plant settings view.



```
Plant settings
Press ENTER to enter
plant settings menu
```

3. Click on the Enter key twice to be able to register new micro inverter.



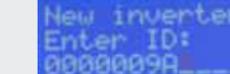
```
New inverter
Enter ID:
-----
```

- 3.* Click on the Enter key, DOWN key, and Enter key to be able to import micro inverter.



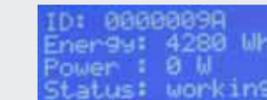
```
Import inverter
Enter password:
-----
```

4. Use the Enter key to select the numbers and letters, and the UP and DOWN keys to navigate through the ID when inserting micro inverter ID.



```
New inverter
Enter ID:
0000009A
-----
```

5. When you have entered micro inverter ID, click on the Enter key and if the registration succeeded "Registered." will be displayed and you will be redirected to the Inverter info view.



```
ID: 0000009A
Energy: 4280 Wh
Power : 0 W
Status: working
```

TECHNICAL CHARACTERISTICS

| | |
|---|--|
| Communication to micro inverters | WMbus 868 MHz complies to EN 13757-1 : : : 5, selectable sample rate (Min. 60 s) |
| Communication to PC, tablet, smartphone | WiFi IEEE 802:11=2:4 GHz, Ethernet RJ45 |
| Connectors | RJ45 Ethernet, USB (for additional functions) |
| Optional | Sending data to cloud by predened protocol |
| Operating system | Embedded Linux, Integrated web server |
| Data storage | SD card (Max. 32 GB) |
| Basic monitoring and settings | Through LCD display |
| IP protection | IP 40 |
| Ambient temperature | -20 °C : : : + 55 °C |
| Power supply | |
| Input | 100 Vac - 240 Vac; 50 Hz - 60 Hz |
| Output | 12 Vdc, 700 mA |
| Optional | Extension cable for WMbus antenna |
| Communication | Wmbus 868MHz, Wlan, Lan, USB |
| Dimensions | 150 x 37 x 155 mm |
| Weight | 350 g |

Power plant matrix

| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| A | | | | | |
| B | | | | | |
| C | | | | | |
| D | | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| H | | | | | |
| I | | | | | |
| J | | | | | |

PACKAGE CONTENTS

- Letrika communication gateway
- Power adapter
- Electrical (DC) connector
- WMBus antenna
- WLAN antenna
- Pylon
- Quick install guide



CONTACT

Letrika Sol d.d. is a joint venture between Cosylab d.d. and Letrika d.d..

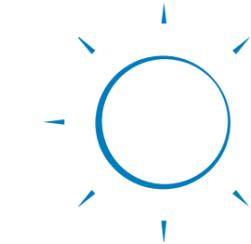
HEADQUARTERS

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COMMUNICATION GATEWAY

QUICK INSTALLATION GUIDE

