### Operating diagram

#### On-display configuration

- **Ethernet Board**
- **Express IP**
- **IP Address**
- **Subnet Mask**
- **Gateway**
- **DNS**
- **Netmask**
- **Address IP**
- **Gateway IP**
- **DHCP**
- **Primary DNS**
- **Secondary DNS**
- **Method**
- **Data send time**
- **Send events**
- **Data to portal**
- **Inform updates**
- **Register**

### Integrated webserver

- The “ETHERNET expansion board” allows the connection of a local LAN network via an Ethernet connection.
- The “ETHERNET expansion board” features an integrated web server that enables to establish a direct connection to a PC, allowing for board configuration and monitoring of the inverter.

### Connection terminals

- **U2**: to the anchor point on the inverter.
- **R44**: to the Cat. 5 UTP input/output connections.
- **C36**: to the Ethernet board.
- **R65**: to the Ethernet board.

### Manual IP address assignment, Bootp, DHCP

- **C9**: manual IP address assignment.
- **U6**: Bootp.
- **U6**: DHCP.

### Toroid + Cable Tie

- **L3**: for connecting to the plant.

### Ethernet/IP, Modbus TCP

- **D3**: for setting the secondary DNS for the Internet network.
- **C41**: to set the subnet mask for the Internet network.
- **C24**: to set the IP address of the gateway.

### Quick installation guide

1. **List of components supplied**
2. **Main components**
3. **Assembly Instructions**
4. **On-display configuration**
5. **Input/output connections**
6. **Connection terminals**
7. **Integrated webserver**
8. **Characteristics and technical data**
9. **Contact us**

#### The device must be used in the manner described in the manual. If this is not the case, the safety devices guaranteed by the inverter might be ineffective.

#### Communication

- **Communication protocol**: Ethernet/IP, Modbus TCP
- **Connectivity**: Cabled ports (RU45 connector for Ethernet cable), Ethernet cable: Cat. 5 UTP
- **Features**: Modbus TCP LED, 1 Ethernet LED, 1 Network Status LED
- **Baud rate**: 10/100 Mbps

#### Quick installation guide

**1. List of components supplied**

- **Available components**
  - Locking screw
  - Toroid + Cable Tie
  - Quick installation guide

**2. Main components**

- **A**: Connection terminals
- **B**: Ethernet port
- **C**: Mechanical mounting bracket

**3. Assembly Instructions**

- **The inside of the inverter may only be accessed after the equipment has been disconnected from the grid and the photovoltaic generator.**
- **Turn off the inverter by physically disconnecting the AC and DC voltages, as well as any voltage connected to the multi-function relay.**
- **Open the inverter front cover.**
- **Install the ETHERNET board by fitting the connection terminals in the special receptacle on the inverter control and communication board (SLDT 1). During this step, check that all the terminals are correctly aligned. Any terminal misalignment may result in damage to the ETHERNET board and/or to the inverter.**
- **Tighten the locking screw to fix the ETHERNET board to the inverter.**
- **The screw secures the mounting bracket to the anchor point on the inverter.**

**4. On-display configuration**

- **DHCP** section
- **Primary DNS** section
- **Secondary DNS** section
- **IP Address** section
- **Address IP** section
- **Gateway IP** section
- **Method** section
- **Data send time** section
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**5. Input/output connections**

- **TP1**: to the inverter service cable gland shown in the figure below.
- **TP2**: to the Ethernet cable gland shown in the figure below.

**6. Connection terminals**

- **R42**: to the anchor point on the inverter.
- **C36**: to the Ethernet board.
- **R65**: to the Ethernet board.

**7. Integrated webserver**

- The HFILE screen shows general information about the network (IP address, MAC address, data and time), the generated energy, the CO2 emissions and the inverter (output power, inverter model and inverter state).
- **VIEW menu** Displays specific information about the inverter (inverter info) and the system (system info).
- **CONFIG menu** Enter the default username and password (admin/admin) to edit system and network parameters, date and time, and password.
- **UPGRADE menu** Updates the Ethernet board firmware.
- **REGISTRATION menu** Used to register on the Aurora Vision® portal.

**8. Characteristics and technical data**

- **Power and productivity for a better world**

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