In addition to the information given below, it is necessary to read and observe the safety information and installation instructions when the installation manual. The installation instructions must be closely read in accordance with what is described in the Quick Installation Guide. Otherwise, safety devices guaranteed by the inverter may be ineffective.

The labels placed on the equipment MUST NOT be removed, damaged, altered, hidden, etc.

1. Inverter or Wiring Box serial number

2. Installation site and position

- Consult all local specifications to confirm that site conditions are suitable for the installation type and equipment. This equipment should be installed only by suitably trained personnel.
- Always ensure that the flow of air around the inverter is not blocked, so as to prevent overheating.
- Do not install in closed spaces where air does not freely circulate.
- Do not install in locations with dust, dirt or humidity exceeding acceptable levels.
- Do not install in locations subject to vibrations, shocks or earthquakes.
- Always ensure that there is sufficient working space in front of the inverter for Wiring Box access in case of loss of the access credentials for the inverter’s internal access point after 24 hours “ABB SOLAR” has expired or used as username and password to access the access point after 24 hours.
- Do not install in locations subject to high radiation levels.
- Always ensure that the flow of air around the inverter is not blocked, so as to prevent overheating.

3. The inverter model should be chosen by a specialized technician who has a good knowledge of the installation conditions, the devices that will be installed later, and whether it will be integrated into an existing system.

4. Transport and Handling

- The means of lifting must be suitable for bearing the weight of the equipment. The handling of P/N: ABB TRIO HANDLING KIT should be used to correctly handle the Power Module.
- Do not pick up the inverter by the cover or the DC/AC Wiring Boxes.

5. Earthing

- Ensure sufficient working space in front of the inverter for Wiring Box access in case of loss of the access credentials for the inverter’s internal access point after 24 hours “ABB SOLAR” has expired or used as username and password to access the access point after 24 hours.

Abb Solar Inverters
Quick Installation Guide
TRIO-TM-50.0-400 TRIO-TM-60.0-480 (50 to 60 kW)

EN

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Before starting the inverter commissioning procedure, ensure that the checks indicated in the previous sections of this Quick Installation Guide have been correctly performed and also that the front covers have been correctly re-installed!

1. Unpack the inverter and carefully check that all the components are present.

2. Connect the DC and AC cables to the inverter according to the procedure described in the Quick Installation Guide.

3. Install the front cover(s) on the Wiring Box(s).

4. Refer to the product manual for a description of error/warning codes appearing on the display.

The table shows the main components and connections available on the communication and control board.

Each connection reaches the communication board via a suitable cable gland (M16) that can be used to block the Wiring Box.

See the manual for details on the connections and functions available on the communication and control board.

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