**ABB Solar inverters**

**Quick Installation Guide**

**PVI-10.0/12.5-TL-OUTD**

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### 1. Main components

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector for connecting the configuration switch</td>
<td>2</td>
</tr>
<tr>
<td>Connector for the connection of the communication and control signals</td>
<td>2</td>
</tr>
<tr>
<td>Technical documentation</td>
<td>1</td>
</tr>
<tr>
<td>Fuse holder extractors</td>
<td>4</td>
</tr>
<tr>
<td>Input Fuses 10A/1000V</td>
<td>4</td>
</tr>
</tbody>
</table>

### 2. Available components

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brackets for wall mounting</td>
<td>1</td>
</tr>
<tr>
<td>Bolts and screws for wall mounting</td>
<td>5 - 5</td>
</tr>
<tr>
<td>D.10 Washer</td>
<td>5</td>
</tr>
<tr>
<td>M6 Cable gland</td>
<td>1</td>
</tr>
<tr>
<td>M6 Cable gland</td>
<td>1</td>
</tr>
<tr>
<td>TEchnical drawing for 500 signal cable glands and cap TGM58</td>
<td>1 - 1</td>
</tr>
<tr>
<td>Jumper for the parallel input channels</td>
<td>2</td>
</tr>
</tbody>
</table>

### 3. Transport and handling

- **Transport**: The equipment must be transported in the original packaging, if possible, or using a suitable protective casing.
- **Handling**: The inverters must be handled carefully to avoid damage to the components.

### 4. Environmental checks

- **Installation of the inverters**: The inverters must be installed in the original packaging, if possible, or using a suitable protective casing.
- **Handling**: The inverters must be handled carefully to avoid damage to the components.

### 5. Installation position

- **Position the inverter on a flat, stable surface**: The inverters must be installed on a flat, stable surface to ensure proper ventilation and cooling.

### 6. Final installation

- **Final installation of the inverters must not compromise access to any disconnection devices**: The inverters must be installed in a location that allows easy access to any disconnection devices.

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**Technical documentation and the interface and management software for the product are available at the website.**

In addition to what is explained below, the safety and installation information provided in the installation manual must be read and followed. The technical documentation and the interface and management software for the product are available at the website provided.

The device must be installed in the manner described in the manual. If this is not the case, the safety device guaranteed by the inverter might not function.
WARNING! The inverters to which this document relates to are WITHOUT ISOLATION TRANSFORMER (transformer-less). This type involves the risk of direct electrical contact over the rated voltage of the grid (300 V in Italy and 440 V in Germany). Before connecting the inverters to the grid, the person performing the connection must carefully check that the installation is correct and that all necessary safety measures are in place.

Warning! The AC cables must be tightened on the terminal block with a minimum torque of 1.5 Nm. The maximum length of the line conductor connecting to the configurable relay that allows connection to external devices which, according to the mode selected in the menu "SETTINGS > Alarm (Configurable) and Crepuscolar" and the position of the "Input polarity control" switch, the inverter performs the necessary checks before the parallel with the grid, the green LED keeps flashing, the others are off.

Warning! After the grid standard was yet to have 24 hours to make any changes to the grid standard value, 24 hours later the "Country Select" function will be released, and any subsequent changes can only be made using a web-based request on the operator panel.

Warning! You must have the "Country" value, the message "Inizializing...Please Wait" is displayed. Depending on the input voltage value, the inverter will show the minimum starting voltage, the inverter will start and the inverters to which this document relates to are not MOUNTED ALONG THE GRID, the inverter will determine the necessary checks before the parallel with the grid, the green LED keeps flashing, the others are off.

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Warning! Before performing any of the operations described below, ensure the AC ties downstream the inverter are not energized. It is used to access the main menu, to go back to the previous menu or to go back to the previous menu.

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