**LEGEND**

- Line conductor
- Neutral conductor
- Grounding conductor
- Control cable
- Data cable for RS485 communication
- Terminator
- Sunny Island

**EXAMPLES FOR MULTICLUSTER SYSTEMS**

<table>
<thead>
<tr>
<th>Power*</th>
<th>Number of Sunny Island inverters</th>
<th>Number of Batteries**</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 kW</td>
<td>-</td>
<td>4</td>
</tr>
<tr>
<td>45 kW</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>68 kW</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>54 kW</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td>60 kW</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>68 kW</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>72 kW</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>72 kW</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>78 kW</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>84 kW</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>90 kW</td>
<td>9</td>
<td>3</td>
</tr>
<tr>
<td>96 kW</td>
<td>12</td>
<td>-</td>
</tr>
</tbody>
</table>

* Power of the Sunny Island inverters for 30 minutes at 25°C
** 1 battery per cluster

**CONTACT**

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**CIRCUIT OF NA BOX WITH MULTICLUSTER BOX AND MAIN CLUSTER**

The Grid Connect Box is always delivered with an all-pole disconnection function. The all-pole disconnection function must be deactivated on the Grid Connect Box if, according to the technical connection conditions of the grid operator and the locally applicable standards and directives, all-pole disconnection is not permitted.

**LEGEND**

- Line conductor
- Neutral conductor
- Grounding conductor
- Control cable
- Data cable for RS485 communication
- Terminator
- Sunny Island

**CIRCUIT OF GRID CONNECT BOX WITH MULTICLUSTER BOX AND MAIN CLUSTER**

**SCHEMATIC DIAGRAM FOR MULTICLUSTER BOX**

**Comment:**

Extension cluster circuitry: see page 2

Bridge DigIn- and BatVtg- on the master of the main cluster.

* Ground the Multicluster system at the grid connection point in accordance with the local standards and directives.

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**Comment:**

Extension cluster circuitry: see page 2

Bridge DigIn- and BatVtg- on the master of the main cluster.

* Ground the Multicluster system at the grid connection point in accordance with the local standards and directives.

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**Fuse**

- F101 NH1 200 A Generator
- F102 NH1 200 A Load
- F104.x Circuit breaker C40 Sunny Island
Comment:
Bridge DigIn- and BatVtg- on the master of the main cluster.

* Ground the Multicluster system at the grid-connection point in accordance with the local standards and directives.

** If a generator is used, ground the multicluster system at the generator.

If the Multicluster Box is installed without Grid Connect Box and NA Box, the following jumper wires must be set:
- Terminals X110:1 and X110:2
- Terminals X111:6 and X111:7