Important instructions for planning and installation with BRC optimizer M600-M

To correctly install the Power Optimizer M600-M and to avoid problems from the very beginning, please note the following introductions:

1. If an **inverter with a MPP input current (I_{MPP}) of more than 16A** is used, it is not allowed to install the Power Optimizer M600-M at every pv module. In this case it is only allowed to equip a maximum of 50% of all pv modules of each string with a Power Optimizer M600-M.

   You can check if this is necessary with our inverter checker:
   https://brc-solar.de/power-optimizer/wechselrichter-checker/

2. **Do not use the Power Optimizer M600-M if strings or pv modules are connected in parallel!** To avoid this situation, please connect all shaded pv modules to a separate string without a parallel connection. This string can then equipped with the Power Optimizer M600-M.

   In case of any further questions regarding those cases, please contact the support of BRC: (Tel.: +49 7243 924 1486 / E-Mail: support@brc-solar.de).

3. Always **connect the Power Optimizer M600-M according to the following sequence**:
   First connect the short cables to the pv module, then connect the long cables to the string.

   <u>**Hints:**</u>
   - **PV testing equipment** cannot measure the current in a string where every module is equipped with an optimizer. This is only possible by using a current clamp during operation.
   - If a short circuit test is performed in a plant with M600-M optimizers, the test will not provide usable results.