

Connecting combined Solar Module Strings using a DC String Input Combiner

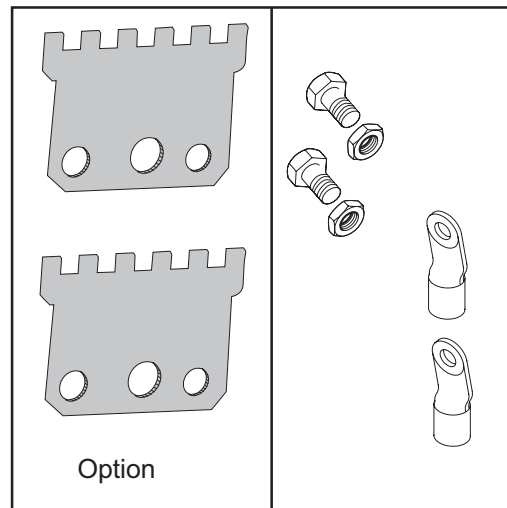
General

When more solar module strings are combined to one solar module string prior to the inverter, the solar module string current may exceed the permissible DC input terminal current rating of 20 A.

In this case the DC cables can be connected to the Fronius IG Plus using a string input combiner as an option.

Additional Required Components

The following additional components are required for connecting combined solar module strings using a DC string input combiner:

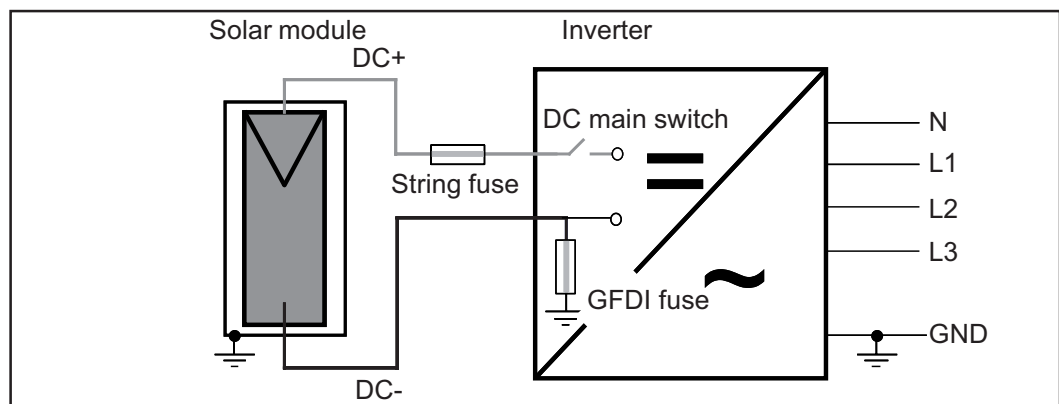


- 2 string input combiners (available from Fronius as an option)
- cable lugs
- select cable lugs that match the available DC cables
- hexagon screws
- hexagon nuts
- matching the cable lugs

Additional required components

Solar Module Ground

The Fronius IG Plus is designed for a solar module ground at the negative pole. The solar module ground is carried out via a fuse in the inverter.



Solar module ground at negative pole with fuse