

AMPT-Installation

Notice at the installation side

1. Do the installation like mentioned in the manual for connection in the right order (page: 19-22)
 - connect first the output, then input A, then input B
2. If unbalance sting size, make shure sting A is bigger (n +1) then sting B and not the other way around
3. Before connecting, please measure the open circuit output voltage of the two stings and make sure both are under 600V_{DC}
4. Please calculate the nominal V_{mpp} voltage of both strings. This value will define the fixed voltage setting necessary for the hybrid inverter.

Fixed voltage setting = (Number of panels * power of panels) / 11 A

- e.g. (17 * 270 W) / 11 A = 417 V

5. Check if maximum possible inverter power with this fixed voltage setting is bigger than the nominal power of the connected solar panels

Formula:

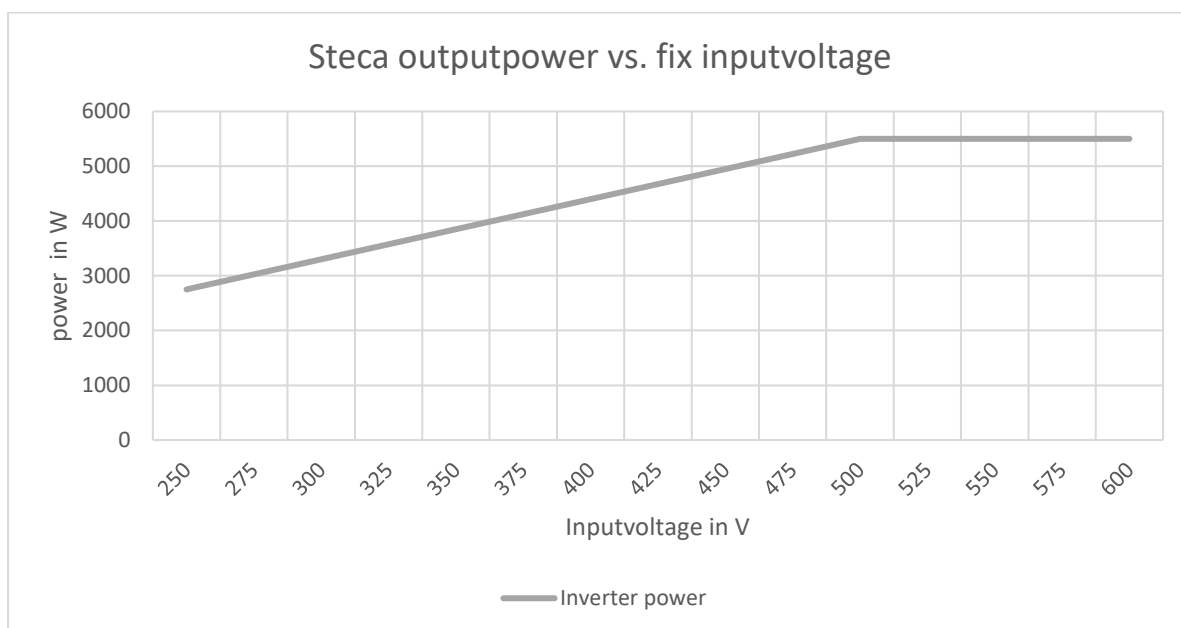
$$(\text{fixed voltage setting} * 11\text{A}) > (\text{panel number} * \text{panel power})$$

$$(\text{e.g. } 450\text{V} * 11\text{A} > 17 * 270\text{W})$$

6. Use graph below to see behaviour of hybrid inverter

General information's

According to the maximum installed pv power, the fix voltage of the inverter must be set. It should not be lower as the maximum possible inverter input power.



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