

# I can't allocate my panels to an inverter - all the options are red.

When all of the allocation options are red, Easy PV has determined the panel/inverter combination is not electrically viable. This means that the technical specifications of either the panels or the inverter are out of the range of the other.

When panels have been allocated to an input, Easy PV will outline any electrical issues in red text to make you aware of why it is not compatible. For a custom component this could mean one of the values you have input is incorrect

1. Select the option you think should be possible with the inverter and panel
2. See which option appears in red

**Input 1: Trina Vertex S+ 445W Dual Glass Full Black N-Type Mono solar panels**

1 string	1 × 1	1 × 2	1 × 3	1 × 4	1 × 5	1 × 6	1 × 7	1 × 8	1 × 9	1 × 10	1 × 11
2 strings	2 × 1	2 × 2	2 × 3	2 × 4	2 × 5	2 × 6	2 × 7	2 × 8	2 × 9	2 × 10	2 × 11
3 strings	3 × 1	3 × 2	3 × 3	3 × 4	3 × 5	3 × 6	3 × 7	3 × 8	3 × 9	3 × 10	3 × 11

**Power**

The rated AC output power of the inverter is **5000W**.

The maximum DC input power is **3560W**.

**Current**

The maximum DC input current of the inverter input is **14A**.

The highest input current expected for this array at 40°C is **20A**.

**Max voltage**

The maximum input voltage of the inverter input is **550V**.

The open circuit voltage for a string of 4 panels at -10°C is **229V**.

**Operating range**

The MPPT voltage range of the inverter input is **70V to 550V**.

The MPPT voltage of the array will be approximately **171V** at 40°C and **193V** at -10°C.

3. Check that value against the datasheet, it may be helpful to reference our [component upload guide](#).

Revision #6

Created 5 September 2024 16:31:12

Updated 14 May 2026 13:37:44 by Daisy