



SMA Solar Technology AG · Sonnenallee 1 · 34266 Niestetal · GERMANY

**SMA Solar Technology AG**

Sonnenallee 1  
34266 Niestetal  
GERMANY  
Tel.: +49 561 9522-0  
Fax: +49 561 9522-100  
E-Mail: info@SMA.de  
Internet: www.SMA.de

To whom it may concern

Author Juan Peña de Juana  
Phone +49 561 9522- 3121  
Fax +49 561 9522- 0  
E-Mail Juan.PenadeJuana@SMA.de  
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**Declaration of identity between the STP 50-40 and STP 50-41**

We, SMA, hereby confirm that the inverter STP 50-41 is identical to the previous model STP 50-40 regarding the connection and operation of the inverter in accordance with all grid connection and radio (WiFi) standards. The main reason for the development of the STP 50-41 is the inclusion of the AFCI (*Arc-Fault Circuit Interruption*) function, which was already included and tested in the inverter for the US market STP 50-US-41.

The main hardware differences between both inverter models STP 50-41 and STP 50-40 are listed below:

- New PCB board PL-ARTX with the AFCI function
- Minor modification of the communication board PL-BFS for the signals of the PL-ARTX and PL-ACRLY
- Minor modification of the PL-ACRLY and PL-DCEMV boards

None of the aforementioned changes cause a modification of the performance and behavior, which was tested and certified for the STP 50-40 in accordance with all grid connection and radio (WiFi) standards. Therefore, we assure you that the test results from the STP 50-40 can be assimilated for the STP 50-41.

Do not hesitate to contact us in case you need further information. Thank you very much in advance.

Yours sincerely

Niestetal, 2021-02-04

**SMA Solar Technology AG**

i.V. Sven Bremicker

Head of Technology Development Center