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Amtsgericht Kassel (District court) Kassel HRB (registration number) 3972
Vorsitzender des Aufsichtsrats (Chairman of the Supervisory Board): Uwe Kleinkauf
Vorstand (Managing Board): Ulrich Hadding, Dr.-Ing. Jürgen Reinert

# Manufacturer's Declaration

## Declaration of Conformity submitted by supplier in accordance with PN-EN ISO/IEC 17050-1 for the STP 110-60

We hereby confirm the compliance with the requirements of PN-EN ISO/IEC 17050-1 for the SMA inverter **STP 110-60** as of the 1.00.02.R firmware version with settings in accordance with EN 50549-1:2019 / EN 50549-2:2019 resulting from the **Commission Regulation (EU) 2016/631 (RfG).**

1. **Declaration no.:** HK_STP110-60_PL EN50549_pl_10

2. **Issue data:** SMA Solar Technology AG | Sonnenallee 1 | 34266 Niestetal, Germany

3. **Subject of the declaration:** PV Inverter **STP 110-60**

4. **The subject of the declaration described above complies with the requirements of the following documents, determined for PGM installation type A and type B (PN-EN 50549-1:2019/ PN-EN 50549-2:2019)**
   - *Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators (Journal of EU L 112/1 z 27.4.2016),*
   - *General Application Requirements under the EU Regulation 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators, approved by the decision of January 2, 2019, DRE.WOSE.7128.550.2.2018.ZJ of the President of the Energy Regulatory Office.*

5. **Additional information:**
   - The setpoint settings for individual parameters applicable in Poland comply with the requirements of the documents referred to in point 4, provided that the value of a given parameter has been specified there.
   - The setting of the correct country data set "[EU] EN50549-1:2018"/ "[EU] EN50549-2:2018" is carried out via the user interface of the product (see product manual). The following parameters must be set additionally for Poland:

| Parameters | Values in p.u. | Values |
|---|---|---|
| Undervoltage protection [U<] | 0.85 | 195.5 V / < 1.5 sec |
| Overvoltage protection for the 10 min average value [U>]. | 1.1 | 253.0 V / < 3.0 sec |
| Overvoltage protection [U>] | 1.15 | 264.5 V / < 0.2 sec |
| Underfrequency protection [f<] | | 47.5 Hz / < 0.5 sec |
| Overfrequency protection [f>] | | 52 Hz / < 0.5 sec |
| Islanding detection | | 5.0 sec |
| Reactivation time after disconnection from utility grid | | 60 sec |

- Furthermore, when selecting the above-mentioned country data set, SMA Solar Technology AG declares that the active power is reduced at overfrequency depending on the frequency value (LFSM-O) with an activation threshold of 50,2 Hz and a droop of 5%. (default values)

**6. Signed on behalf of:**

Niestetal, 29-09-2020

**SMA Solar Technology AG**

i.V. Sven Bremicker

Head of Technology Development Center