

# Manufacturer's Declaration

## Information on RCMU / RCD-use

SOLARWATT GmbH  
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hereby confirms, that the **SOLARWATT Inverter vision** series:

**SOLARWATT Inverter vision one 1.0**

**SOLARWATT Inverter vision three 1.0**

are equipped with an AC/DC sensitive residual current monitoring unit (RCMU) according to DIN EN 50549-1 in conjunction with DIN EN 62109-2. The RCMU monitors fault currents from the PV generator to the AC output of the inverter and disconnects the inverter from the mains if unduly fault currents occur.

In addition, the Solarwatt inverters mentioned above were tested for DC leakage currents at the AC output, the result of the tests showed DC leakage currents of  $< 3.5$  mA. Hence **SOLARWATT Inverter vision** series comply with requirements stating  $< 6$  mA of DC leakage component current for use of Type A RCD's as required by IEC 60364-7-712:2002 and DIN VDE 0100-712.

Depending on the protection concepts selected for the installation, requirements of local grid operators or national standard requirements, the installation of additional RCDs may be necessary.

In this case Solarwatt recommends a type A RCD with the following sensitivities:

**SOLARWATT Inverter vision one 1.0** minimum of 100 mA per Inverter

**SOLARWATT Inverter vision three 1.0** minimum of 300 mA per inverter.

Dresden, 10th March 2025



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