



SMA Solar Technology AG

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**Document of compliance for the operation of SMA
inverters in combination with „Module Power Maximizers“**

Applies exclusively to the following products:

Module Maximizer by Tigo Energy.

In case the design of a solar power system with e.g. "Sunny Design" (www.SMAde/SunnyDesign) ensures that the permitted operating range of all components is kept to at all times, the operation of the above mentioned module power maximizers in combination with the SMA products Sunny Boy, Sunny Mini Central and Sunny Tripower poses no breach of the warranty conditions of these SMA products.

The specification of the operating range of the inverters is documented in the respective manuals or installation instructions.

Most of our inverters for the US market have an integrated dc arc-fault circuit-interrupter (AFCI) which complies with UL1699B. SMA has not investigated and can therefore not guarantee that the AFCI works properly if additional power electronics (e.g. power optimizers or powerline communication) is used in the PV generator.

If the system designer chooses to use such components it is his responsibility to make sure that arc fault protection works properly. In case of further questions about mutual compatibility you may contact Tigo Energy who has executed detailed compatibility tests.

A requirement for obtaining the warranty claim is:

1. The maximum input voltage of the inverter is not exceeded at any time by the operation of the module power maximizers
2. SMA takes no responsibility for the achieved yield of the PV power system because the MPP tracking of the inverter no longer controls the operation of the PV panels
3. SMA takes no responsibility for the compliance of the complete system in terms of EMC regulations
4. The manufacturer of the installed module power maximizers has approved the operation of its products with the according SMA products

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