

## MANUFACTURER'S DECLARATION

### Concerning the use of the single phase PV grid-tied inverters

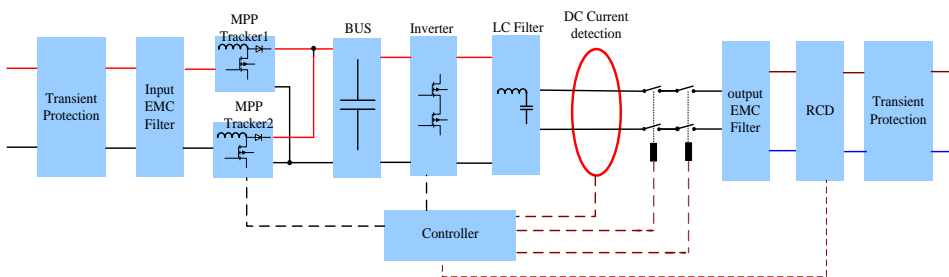
- SolarRiver 1100TL / 1600TL / 2300TL / 3000TL / 3300TL / 3680TL / 4400TL / 5200TL
- SolarRiver 1100TL-S / 1600TL-S / 2100TL-S / 2600TL-S
- SolarRiver 3400TL-D / 4000TL-D / 4500TL-D / 5000TL-D / 5200TL-D / 6000TL-D

### in photovoltaic systems with residual current circuit breakers of type A:

The following RCCBs (Residual Current Circuit Breakers) of type A are not impacted in their monitoring function when operated with Samil Power SolarRiver inverters named above.

- Residual current circuit breakers (RCCB) of type A from ABB, series F 202 A-... or F 204 A-...
- Residual current circuit breakers (RCCB) of type A from Siemens, series 5SM1... or 5SM3...

The minimum rated residual current of the RCCBs, when operating one inverter, amounts to 30mA. When operating up to 3 inverters, the rated residual current amounts to at least 100mA. However, depending upon the installation, higher rated residual currents may be necessary.



**Figure 1:**  
Block diagram of  
single phase inverters





---

The Samil Power inverters thus fulfil the requirements of DIN VDE 0100-712 (IEC 60364-7-1 2) regarding installation and operation.

**Legal notice:**

**Standards and guidelines legally prescribed in the country of usage are always to be observed! The manufacturer of the inverter does not grant a warranty of any kind with the manufacturer's declaration.**

**Samil Power GmbH (Germany), 2014-07-22**



Tobias Henne  
(Vice President Product Management)

