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To Whom It May Concern

Almere, June 11th, 2025

Ref.: RCD information on Multi RS Inverter chargers

Victron Energy B.V. hereby confirms that the Multi RS Solar inverter/charger series complies with the requirements of Clause 4.8.3.5 of IEC 62109-2:2011.

In accordance with IEC 62109-2, a residual current monitoring unit (RCMU) is required for inverters that do not provide simple separation between the AC grid and the photovoltaic (PV) generator.

The Multi RS Solar inverters are equipped with an integrated RCMU that meets the requirements of both IEC 62109-1 and IEC 62109-2. The design of the inverter ensures that it cannot inject direct residual currents into the grid.

The internal RCMU is configured with a protection threshold of 300 mA, in compliance with IEC 62109-2:2011.

If local regulations require the installation of an external RCD, a separate Type A RCD with a rated residual operating current of 300 mA or higher may be used at AC input. The use of RCDs with lower sensitivity is not recommended, as it may lead to nuisance tripping due to the inverter's operational characteristics.

At AC Output an RCD Type A with 30mA limit can be used.

With kind regards,
VICTRON ENERGY B.V.



Matthijs Vader
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