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To Whom It May Concern

Almere, June 19<sup>th</sup>, 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.

According to IEC 62109-2:2011, inverters that do not provide simple separation between the AC mains and photovoltaic (PV) circuits must be equipped with a residual current monitoring means (RCM) capable of detecting the total RMS residual current (AC + DC components).

The Multi RS Solar inverter/charger series are equipped with an integrated Residual Current Monitoring Unit (RCMU) that fulfills IEC 62109-2:2011 requirements.

As a result, the inverter is designed to prevent the injection of DC residual currents into the AC mains, ensuring compliance with the standard.

If local installation regulations require an external Residual Current Device (RCD), a separate Type A RCD with a rated residual operating current of 300 mA or higher may be installed at AC input.

When required by local regulations, a Type B RCD may also be used, although it is not required by Victron Energy.

\*Note: The above information only applies when a Multi RS Solar inverter/charger is connected to a photovoltaic (PV) array.

With kind regards,

VICTRON ENERGY B.V.



Matthijs Vader  
Managing Director

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