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Certification body of BV CPS GmbH
Accredited according to EN 45011 -
ISO / IEC Guide 65

Certificate of compliance

Applicant: Delta Energy Systems (Germany) GmbH
Tscheulinstraße 21
79331 Teningen
Germany

Product: Automatic disconnection device between a generator
and the public low-voltage grid

Model: Solivia2.0EUG4TR, Solivia2.5EUG4TR, Solivia3.0EUG4TR
Solivia3.3EUG4TR, Solivia3.6EUG4TR, Solivia5.0EUG4TR,
Solivia11EUG4TR

Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with EN 50438:2007 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

Applied rules and standards:

EN 50438:2007,
Requirements for the connection of micro-generators in parallel with the public low-voltage distribution networks.

The following parameters according to EN 50438:2007 were applied. The inverters Solivia5.0EUG4TR and Solivia11EUG4TR are designed for >16A per phase. However all requirements of the EN 50438:2007 are fulfilled.

Under voltage limit: 195,5V

Upper voltage limit: 264,5V

Under frequency limit: 47,0Hz

Upper frequency limit: 51,0Hz

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: 11TH0316-EN50438;11TH0375-EN50438;
11TH0120-EN50438

Certificate number: U12-0965

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Certification body

Achim Hänchen

