VDE Renewables File Ref.: 10010/2016-40112

Applicant: Solibro GmbH
Sonnenallee 32-36, 06766 Bitterfeld-Wolfen, OT Thalheim, Germany

Product: Thin-film terrestrial photovoltaic (PV)-Modules

Type:
- A) SL1-xx
- B) SL1-xxF
- C) SL2-xx
- D) SL2-xxF

xx in the type replaces the power in Watt and can be any number between:
- 75 – 95 for A) and B)
- 85 – 150 for C) and D)

Manufacturer: Solibro GmbH

Standard: IEC 62716:2013, Ammonia corrosion testing

Test conditions/cycle:
- Hours including heating up: 8h
- NH$_3$ concentration: 6667 ppm
- Chamber temperature: 60°C
- Relative Humidity: 100%
- Hours including cooling: 16h
- NH$_3$ concentration: 0 ppm
- Chamber temperature: 25°C
- Relative Humidity: 75%
- Total number of cycles: 20

Pass criteria
- Power after test: min. 90% of rated power
- Dry insulation resistance: >40 MΩm$^2$
- Wet insulation resistance: >40 MΩm$^2$
Summary of test results:

**Maximum power after test:**
- Required: min. 121.5 W
- Measured: min. 123.1 W

The measured power at STC is above the min. required power.

**Dry insulation resistance:**
- Required: 42.55 MΩ
- Measured: >1000 MΩ

The measured dry insulation resistance is above the limit.

**Wet insulation resistance:**
- Required: 42.55 MΩ
- Measured: >1000 MΩ

The measured wet insulation resistance is above the limit.

**Visual inspection:**
No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2016-40112-1

VDE Renewables GmbH

Dean Wen
Arnd Roth

63755 Alzenau, 2017-05-29