



IEC (DTS) TS 62804-2:2016

Photovoltaic (PV) Modules - Test Methods for the detection of potential-induced degradation
Part 2: Thin-film
Confirmation of test results

Ref.: 10006/2018-40185

Applicant: First Solar Inc.
350 West Washington Street, Tempe AZ 85281, USA

Product: Thin-film terrestrial photovoltaic modules

Type: FS-6XXX, FS-6XXXA
XXX in the type replace the power in Watt and can be any number between 365 - 445

Manufacturer: First Solar Inc.

Standard: IEC (DTS) TS IEC 62804-2:2016

Test conditions:

Testing time:	336 h
Chamber temperature:	85°C
Relative Humidity:	85 %
Potential to ground:	+/- 1500 V

Pass criteria:

Power degradation:	<5%
Wet insulation:	>16.2 MΩ
Visual Inspection:	No findings



Summary of test results:

Maximum power degradation:	allowed	max. 5 %
	measured	max. 1.66 %

The measured degradation is below the allowed degradation.

Wet insulation resistance:	required	min. 16.2 M Ω
	measured	>88 M Ω

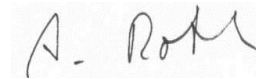
The measured wet insulation resistance is above the limit.

Visual inspection: No findings

The complete test results and the relevant bill of materials are given in Test Report No.: TRPVM-2018-40185-4.

VDE Renewables GmbH


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