



STS Directory

Accreditation number: STS 0531

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

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Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 12.10.2022

Testing laboratory for photovoltaic modules and for radon gas

Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
PV devices	Electrical performance	Reference standards IEC 60904-1:2020 IEC 60904-2:2015 IEC 60904-3:2016 IEC 60904-3:2019 IEC 60904-7:2008 IEC 60904-7:2019 IEC 60904-8:2014 IEC 60904-9:2020 IEC 60904-10:2020 IEC 60891:2021 IEC 60891:2009 IEC 60904-1-1:2017 IEC 60904-8-1:2017 IEC TS 60904-1-2:2019



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
	Performance at standard test conditions (STC)	IEC 61215-2:2021, 4.2 IEC 61215-2:2021, 4.6 IEC 61215-2:2016, 4.2 IEC 61215-2:2016, 4.6 IEC TS 60904-1-2:2019 IEC 61730-2:2016, MST 02, MST 03 IEC 61853-1:2011, 7.2
	Performance at Nominal Module Operating Temperature (NMOT) or/and Nominal Operating Cell Temperature (NOCT)	IEC 61215-2:2016, 4.6 IEC 61853-1:2011, 7.3
	Performance at low irradiance (LIC)	IEC 61215-2:2021, 4.7 IEC 61215-2:2016, 4.7 IEC 61853-1:2011, 7.4
	Performance at high temperature conditions (HTC)	IEC 61853-1:2011, 7.5
	Performance at low temperature conditions (LTC)	IEC 61853-1:2011, 7.6
	Measurement of temperature coefficients	IEC 61215-2:2021, 4.4 IEC 61215-2:2016, 4.4 IEC 61853-1 :2011, Cpt. 8 IEC 60891: 2021 IEC 60891: 2009 IEC 60904-10:2020
	Irradiance dependency	IEC 61853-1:2011, Cpt. 8 IEC 60904-10:2020
	Irradiance and temperature performance measurements	IEC 61853-1, Cpt. 8 IEC 61853-2:2015, Cpt. 6
	Spectral response	IEC 60904-8:2014 IEC 60904-8-1:2017
	Reliability, lifetime and safety	
	Ligth Soaking -Stabilisation	IEC 61215-2:21 4.19, MQT19 IEC 61215-2:2016, 4.19, MQT19 IEC 61853-1:2011, Cpt. 5
	Visual inspection	IEC 61215-2:2021, 4.1 IEC 61215-2:2016, 4.1 IEC 61730-2:2016, MST 01
	Insulation test	IEC 61215-2:2021, 4.3 IEC 61215-2:2016, 4.3 IEC 61730-2:2016, MST 16



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Group of products or materials, field of activity	Principle of measurement ²⁾ (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Buildings	Wet leakage current test	IEC 61215-2:2021, 4.15 IEC 61215-2:2016, 4.15 IEC 61730-2:2016, MST 17
	Ground continuity test	IEC 61730-2:2016, MST 13
	Outdoor exposure test	IEC 61215-2:2021, 4.8 IEC 61215-2:2016, 4.8
	UV preconditioning / UV exposure	IEC 61215-2:2021, 4.10 – MQT 10 IEC 61215-2:2016, 4.10 – MQT 10 IEC 61730-2:2016, MST 54
	Thermal cycling test (50/200 cycles)	IEC 61215-2:2021, 4.11 IEC 61215-2:2016, 4.11 IEC 61730-2:2016, MST 51
	Humidity freeze test (10 cycles)	IEC 61215-2:2021, 4.12 IEC 61215-2:2016, 4.12 IEC 61730-2:2016, MST 52
	Damp heat test	IEC 61215-2:2021, 4.13 IEC 61215-2:2016, 4.13 IEC 61730-2:2016, MST 53
	Mechanical load test	IEC 61215-2:2021, 4.16 IEC 61215-2:2016, 4.16 IEC 61730-2:2016, MST 34
	Hail test	IEC 61215-2:2021, 4.17 – MQT 17 IEC 61215-2:2016, 4.17 – MQT 17 IEC 61215-2:2021, 4.17 – MQT 17
	Hail test - VKF	VKF Prüfbestimmung Nr. 25 – V. 1.0.3: 2016
	Module breakage test	IEC 61730-2:2016, MST 32
	Continuous measurement of radon gas activity concentration in the ambient air	in-house test methods: Nr. TP 99_RN 01

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