



STS Directory

Accreditation number: STS 0531

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

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Initial accreditation: 02.03.2010
Current accreditation: 02.03.2020 to 01.02.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as 02.03.2020

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 modules	Electrical performance	Reference standards IEC 60904-1:2006 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 60904-9:2007 IEC 60904-10:2009 IEC 60891:2009 IEC 60904-1-1 :2017 IEC 60904-8-1 :2017 ASTM E2236-10



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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 61215-2:2016, 4.2 IEC 61215-2:2016, 4.6 IEC 61730-2:2016, MST 02, MST 03 EN 50380 :2003, 3.3.1 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 EN 50380:2003, 3.3.2
	Performance at low irradiance (LIC)	IEC 61215-2:2016, 4.7 IEC 61853-1:2011, 7.4 EN 50380:2003, 3.3.3
	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 61215-2:2016, 4.4 IEC 61853-1 :2011, Cpt. 8 EN 50380:2003, 3.5.2 IEC 60891: 2009 IEC 60904-10 :2009
	Irradiance dependency	IEC 61853-1:2011, Cpt. 8 IEC 60904-10:2009
	Irradiance and temperature performance measurements	IEC 61853-1, Cpt. 8 IEC 61853-2:2015, Cpt. 6 EN 50380, 3.5.2
	Spectral response	IEC 60904-8:2014 IEC 60904-8-1 :2017 ASTM E2236-10
	Reliability, lifetime and safety	
	Ligth Soaking -Stabilisation	IEC 61215-2:2016, 4.19, MQT19 IEC 61853-1:2011, Cpt. 5
	Visual inspection	IEC 61215-2:2016, 4.1 IEC 61730-2:2016, MST 01
	Insulation test	IEC 61215-2:2016, 4.3
	Dielectric withstand test	IEC 61730-2:2016, MST 16

1) Scope of accreditation type A (fix)

2) Scope of accreditation type B (flexible)

3) Scope of accreditation type C (flexible)

Definition of flexibility see SAS Document 741



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Buildings	Wet leakage current test	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 61215-2:2016, 4.8
	Thermal cycling test (50/200 cycles)	IEC 61215-2:2016, 4.11 IEC 61730-2:2016, MST 51
	Humidity freeze test (10 cycles)	IEC 61215-2:2016, 4.12 IEC 61730-2:2016, MST 52
	Damp heat test	IEC 61215-2:2016, 4.13 IEC 61730-2:2016, MST 53
	Mechanical load test	IEC 61215-2:2016, 4.16 IEC 61730-2:2016, MST 34
	Hail test	IEC 61215-2:2016, 4.17 – MQT 17
	Hail test for other classes	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 (Misura in continuo della concentrazione di attività del radionuclide Rn-222 nell'aria ambiente)	in-house test methods: Nr. TP 99_RN 01

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