



**BUREAU
VERITAS**

Type Certificate

Applicant: **Schneider Electric Solar Inverters USA, Inc**
250 South Vasco Road, Livermore, CA 94551
USA

Type of power generating unit:	Grid-tied photovoltaic inverter	Conext Core XC 540	Conext Core XC 630	Conext Core XC 680
Technical data:	Nominal apparent power:	540	630	680
	Nominal active power	<i>see nominal apparent power</i>		
	Active power: ($\cos\phi = 0,95$; $U = 0,95 U_n$)	487 kW	569 kW	614 kW
	Nominal voltage:	300 (P to P)	350 (P to P)	380 (P to P)
	Nominal frequency:	50 Hz		

Firmware version: **Bundle: 0F-2156-05-03-004 build #1305**

Grid connection regulation: **BDEW guideline „Generating Plants connected to the Medium-Voltage Network“**
Guideline for generating plants' connection to and parallel operation with the medium-voltage network, 2008 and amendment up to 1/2013

Pertinent standards / DIN EN 61400-21:2008

Guidelines: Technical guidelines: FGW TG 3 Rev. 23, FGW TG 4 Rev. 7, FGW TG 8 Rev. 6

The power generating units, stated in the certificate, were tested and certified according to the technical guidelines referenced to in the grid connection regulation. The electrical characteristics fulfill the requirements of the grid connection regulation:

- Generation and control of active and reactive power ($\cos\phi(P)$)/ $Q(U)$ -functionality implemented according to manufacturer's declaration, without testing) (Note the ramp rate behavior (4.2.4) in)
- Generating unit's reaction to system incidents (Reactive current characteristic according to SDLWindV:2009)
- Protection on generating unit level *
- Report of power quality
- Validated type model: SE-XCPV_v1_1_template_enc.pfd (File version: V1.1 / 28.11.2016)
- The manufacturer has proven the certification of his quality management system according to ISO 9001.

* Note in appendix p.29. An external protection may be used to circumvent limitations

The certificate includes the following information:

- Technical data of the power generating units, additional components and implemented software versions
- The schematic layout of the power generating units
- Summarized information on the characteristic of the power generating units

BV project number: **15TH0322**

Certificate no.: **18-0241_0**

Issued: **2018-04-27**

Valid until:

2023-04-26



(Eine auszugsweise Darstellung des Zertifikats bedarf der schriftlichen Genehmigung der Bureau Veritas Consumer Products Services Germany GmbH.)



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Accredited according to EN 45011 - ISO / IEC Guide 65

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