



**BUREAU  
VERITAS**

# Certificate of Conformity self-generation unit

**Manufacturer / applicant:** Schneider Electric Solar Inverters USA, Inc.  
250 S. Vasco Road  
Livermore, CA 94551  
USA

**Type of power generation unit:** Grid-tied photovoltaic inverter

<b>Name of PGU:</b>	Conext CL 20000 E	Conext CL 25000 E
<b>Active power (nominal power at reference conditions) [kW]:</b>	20,0	25,0
<b>Rated voltage:</b>	400 V; N; PE	

**Firmware version:** COMM APPL: Ver02.05.01  
CTRL DCAC: Ver02.05.01  
CTRL DCDC: Ver02.05.01

**Connection rule:** VDE-AR-N 4105:2011-08 – Power generation systems connected to the low-voltage distribution network  
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

**Applicable standards / directives:** DIN VDE V 0124-100 (VDE V 0124-100): 2012-07 – Grid integration of power generation systems – low voltage  
Test requirements for power generation units to be connected and operated parallel with the low-voltage distribution networks

**The above mentioned generation units have been tested and certified according to the test guideline VDE 0124-100. The electrical properties required in the connection rule are satisfied.**

- Verification of permissible system perturbations
- Verification of the symmetry characteristics of three-phase inverter modules
- Verification of the characteristics of the power generation unit on the network

Verification of the possibility to take part in the generation management / network security management

**The certificate contains the following information:**

- Technical specifications of the power generation units, the deployed auxiliary equipment and the software version used.
- Schematic structure of power generation unit
- Summarized information about the characteristics of the power generation unit (mode of operation)

**BV project number:** PVDE150210C14

**Certificate number:** U15-0094

**Date of issue:** 2015-03-31

**Zertifizierungsstelle**

Dieter Zitzmann

(A partial representation of the certificate requires the written permission of Bureau Veritas Consumer Products Services Germany GmbH)



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-01

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to EN 45011 - ISO / IEC Guide 65



**BUREAU  
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# Certificate of conformity NS protection

**Manufacturer / applicant:** Schneider Electric Solar Inverters USA, Inc.  
250 S. Vasco Road  
Livermore, CA 94551  
USA

<b>Type of grid and plant protection:</b>	Integrated NS protection
<b>Assigned to generation unit type:</b>	Conext CL 20000 E Conext CL 25000 E

**Firmware version:** COMM APPL: Ver02.05.01  
CTRL DCAC: Ver02.05.01  
CTRL DCDC: Ver02.05.01

**Connection rule:** VDE-AR-N 4105:2011-08 – Power generation systems connected to the low-voltage distribution network  
Technical minimum requirements for the connection to and parallel operation with low-voltage distribution networks.

**Applicable standards / directives:** DIN VDE V 0124-100 (VDE V 0124-100): 2012-07 – Grid integration of power generation systems – low voltage  
Test requirements for power generation units to be connected and operated parallel with the low-voltage distribution networks

**The above mentioned grid and plant protection has been tested and certified according to the test guideline VDE 0124-100. The electrical properties required in the connection rule are satisfied.**

- Setting values and disconnect times
- Properly functioning functional chain "NS protection – interface switch"
- Technical requirements of the switching device
- Active detection of stand-alone power systems
- Single-fault tolerance

**The certificate contains the following information:**

- Technical specifications of the NS protection and corresponding power generation types
- Setting values of the protection functions
- Trip values of the protection functions

**BV project number:** PVDE150210C14

**Certificate number:** U15-0093

**Date of issue:** 2015-03-31

**Zertifizierungsstelle**

Dieter Zitzmann



(A partial representation of the certificate requires the written permission of Bureau Veritas Consumer Products Services Germany GmbH)

Certification body of Bureau Veritas Consumer Products Services Germany GmbH  
Accredited according to EN 45011 - ISO / IEC Guide 65