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Certification body of BV CPS GmbH  
Accredited according to EN 45011 -  
ISO / IEC Guide 65

## Certificate of compliance

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

**Product:** **Grid-tied photovoltaic inverter**

**Model:** **Conext RL 5000E, Conext RL 5000E-S**

### Use in accordance with regulations:

Automatic disconnection device with single-phase mains surveillance in accordance with IEC 61727:2004 and IEC62116:2008 for photovoltaic systems with a single-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverters.

### Applied rules and standards:

#### IEC 61727:2004

Photovoltaic (PV) systems – Characteristics of the utility interface

#### IEC 62116:2008

Test procedure of islanding prevention measures for utility-interconnected photovoltaic inverters

#### IEEE 1547:2003 and 1547.1:2005

IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems

#### AS 4777.2:2005 and AS 4777.3:2005

Grid connection of energy systems via inverters – inverter requirements and grid protection requirements

*The following deviations for Thailand were applied according the grid-connected inverter regulations of the Provincial Electricity Authority (PEA 2013):*

*under voltage limit (level 1): 198,0V  
under voltage limit (level 2): 110,0V  
over voltage limit (level 1): 242,0V  
overvoltage limit (level 2): 264,0V  
lower frequency limit: 48,0Hz  
upper frequency limit: 51,0Hz  
loss of main detection limit: 300ms*

*Metropolitan Electricity Authority (MEA 2013):*

*under voltage limit (level 1): 200,0V  
under voltage limit (level 2): 115,0V  
over voltage limit (level 1): 240,0V  
overvoltage limit (level 2): 311,0V  
lower frequency limit: 49,0Hz  
upper frequency limit: 51,0Hz  
loss of main detection limit: 300ms*

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

**Report number:** **PVTH130910C15-IEC61727**

**Certificate number:** **U13-0761**

**Date of issue:** **2013-10-16**

**Valid until:** **2016-10-15**

### Certification body

Dieter Zitzmann



Deutsche  
Akkreditierungsstelle  
D-ZE-12024-01-01



QUALITY



HEALTH



SAFETY



ENVIRONMENT



SOCIAL  
ACCOUNTABILITY