



**BUREAU  
VERITAS**

# Certificate of compliance

**Applicant:** **Huawei Technologies Co., Ltd.**  
Administration Building, Headquarters of Huawei  
Technologies Co., Ltd., Bantian, Longgang District,  
Shenzhen, 518129,  
P.R. China

**Product:** **Grid-tied photovoltaic (PV) inverter**

**Model:** **SUN2000-8KTL  
SUN2000-10KTL**

## Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with Engineering Recommendation G83/2 for photovoltaic systems with a three-phase parallel coupling via an inverter in the public mains supply. The automatic disconnection device is an integral part of the aforementioned inverter. This serves as a replacement for the disconnection device with isolating function that can access the distribution network provider at any time.

## Applied rules and standards:

### Engineering Recommendation G83/2:2012

Recommendations for the Connection of Type Tested Small-scale Embedded Generators (Up to 16A per Phase) in Parallel with Low-Voltage Distribution Systems

### DIN V VDE V 0126-1-1:2006-02 (Functional safety)

Automatic disconnection device between a generator and the public low-voltage grid

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:** **12TH0607-G83/2\_1**

**Certificate number:** **U14-0432**

**Date of issue:** **2014-08-08**

## Certification body

Dieter Zitzmann



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



## Annex to the G83/2 certificate of compliance No. U14-0432

### Appendix 4 Type Verification Test Report

Extract from test report according the Engineering Recommendation G83/2

Nr. 12TH0607

#### Type Approval and declaration of compliance with the requirements of Engineering Recommendation G83/2.

<b>Manufacturer / applicant:</b>	<b>Huawei Technologies Co., Ltd.</b> Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, <b>P.R. China</b>	
<b>SSEG Type</b>	<b>Grid-tied photovoltaic inverter</b>	
<b>Rated values</b>	<b>SUN2000-8KTL</b>	<b>SUN2000-10KTL</b>
<b>Maximum rated capacity</b>	<b>8800W</b>	<b>11000W</b>
<b>Rated voltage</b>	<b>400V, L1, L2, L3, N, PE</b>	
<b>Firmware version</b>	<b>V100R002</b>	
<b>Measurement period:</b>	<b>2014-07-01 to 2014-07-29</b>	