



**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: **SUN2000-12KTL
SUN2000-15KTL
SUN2000-17KTL
SUN2000-20KTL
SUN2000-23KTL
SUN2000-28KTL**

Use in accordance with regulations:

Automatic disconnection device with three-phase mains surveillance in accordance with Engineering Recommendation G59/3 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 G59/3:2013

Recommendation for the Connection of Generating Plant to the Distribution Systems of licensed Distribution Network Operators.

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

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

The SUN2000-12KTL, SUN2000-15KTL, SUN2000-17KTL, SUN2000-20KTL, SUN2000-23KTL and SUN2000-28KTL are rated >16A (1 phase) and ≤ 50kW (3 phase). The default values for "Small Power Stations" on the low-voltage grid were verified.

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-G59/3**

Certificate number: **U14-0439**

Date of issue: **2014-08-14**

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 G59/3 certificate of compliance No. U14-0150

Appendix 13.1 Type Testing a Generating Unit

Extract from test report according the Engineering Recommendation G59/3

Nr. 12TH0607

Type Approval and declaration of compliance with the requirements of Engineering Recommendation G59/3.

Manufacturer / applicant:	Huawei Technologies Co., Ltd. Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129 P.R. China					
Generating Unit technology	Grid-tied photovoltaic inverter					
Rated values	SUN2000-12KTL	SUN2000-15KTL	SUN2000-17KTL	SUN2000-20KTL	SUN2000-23KTL	SUN2000-28KTL
Maximum rated capacity	13,2 kW	16,5 kW	18,7 kW	22,0 kW	23,0kW	27,5kW
Rated voltage	400V, 3W+N+PE					480V, 3W+PE
Firmware version	V100R002					
Measurement period:	2014-07-15 to 2014-08-01					