



EU Declaration of Conformity

(No. CE-07136699)

We **Huawei Technologies Co., Ltd.**

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

declare under our sole responsibility that the product

Name/Trademark Solar Inverter/HUAWEI

Model/Software SUN2000-40KTL-M3, SUN2000-36KTL-M3, SUN2000-30KTL-M3
SUN2000-29.9KTL-M3/V100

Accessories NA

comply with the following directives and regulations:

- 2014/53/EU (Radio Equipment Directive)
- 2011/65/EU & (EU) 2015/863 (RoHS Directive)

For the evaluation of the compliance with these Directives and Regulations, the following standards/requirements were applied:

Artificial 3.1 (a) Safety & Health	EN 62109-1:2010 EN IEC 62311:2020
Artificial 3.1 (b) EMC	EN 55011:2016 EN 55011:2016+A1:2017 EN 62920:2017 EN 61000-6-1:2007 EN IEC 61000-6-1:2019 EN 61000-6-2:2005 EN IEC 61000-6-2:2019 EN 61000-3-11:2000 EN IEC 61000-3-11:2019 EN 61000-3-12:2011 ETSI EN 301 489-1 V2.2.3:2019 ETSI EN 301 489-17 V3.2.4:2020 EN 61000-6-3:2007+A1:2011 EN 61000-6-4:2007+A1:2011 EN IEC 61000-6-4:2019
Artificial 3.2 Radio	ETSI EN 300 328 V2.2.2(2019-07)
RoHS	EN 50581:2012

CE Marking Date: 2020-11-06

Responsible for making this declaration is the:

☒ Manufacturer ☐ Authorised representative established within the EU

Person responsible for making this declaration

Print name/Title : LingHongDong

Regulation Compliance Manager

China, Shenzhen 2020-11-06
(Place) (Date)

Ling Hong Dong
(Signature)



CERTIFICATE OF CONFORMITY

Certificate Number: **1788AB0814N002001**
Product: **SOLAR INVERTER**
Brand Name: **Huawei**
Model: **SUN2000-36KTL**
Additional Model: **SUN2000-33KTL-A**
Applicant: **Huawei Technologies Co., Ltd**
Address: **Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C**

Parameter	SUN2000-33KTL- A	SUN2000-36KTL
MPPT Input	DC 480-800V, 30.6kW 22A*4	DC 480-850V, 40.8kW 22A*4
Output	3×230V /400V+N+PE, 50Hz/60Hz(optional), 30kW	3×220V/380V+N+PE, 3×230V /400V+N+PE, 50/60Hz, 36kW
Max	48.0A 30kW	60.8A 40kW
Power	33000VA	40000VA

The submitted sample of the above equipment has been tested according to following standard(s):

Standards	Report Number	Report date
IEC 61000-6-3:2006 + A1:2010(*) IEC 61000-6-4:2006 + A1:2010 IEC 61000-3-12:2011 IEC 61000-3-11:2000 IEC 61000-6-1:2005 IEC 61000-6-2:2005	CE170814N002	Oct. 18, 2017

* The PLC communication mode of Solar Inverter is not apply to this standard.

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements.

This verification does not imply assessment of the production of the product.

Supervisor
EMC Department

Name: Madison Luo
Data: Oct. 18, 2017

This document shall not be reproduced, except in full, without the written approval of
Bureau Veritas Shenzhen Co., Ltd.

Information given in this document is related to the tested specimen of the described electrical sample.



Certificate of Conformity

Certificate No.: 2088AP0511N092004

Product: SOLAR INVERTER



Brand Name: HUAWEI

Test Model No.: SUN2000-15KTL-M3, SUN2000-17KTL-M3, SUN2000-20KTL-M3,
SUN2000-23KTL-M3, SUN2000-28KTL-M3, SUN2000-30KTL-M3,
SUN2000-36KTL-M3, SUN2000-40KTL-M3, SUN2000-42KTL-M3

Applicant: Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District, Shenzhen, 518129, P.R.C

Report No.: PVFR200511N092

Use in accordance with regulations:

Automatic disconnection device with three-phases mains surveillance in accordance with DIN V VDE V 0126-1-1/A1 VFR2014, DIN V VDE V 0126-1-1/A1 VFR2019 (Protection of production installations connected to the public distribution network, ERDF-NOI-RES_13E, Version 7, 14/12/2018), for photovoltaic systems with a three-phases 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

UTE C15-712-1:2013-07, UTE C 15-712-1:2010-07, rectificatif 0:2010-09 et rectificatif 1:2012-02

Photovoltaic installations connected to the public distribution network

DIN V VDE V 0126-1-1/A1:2012-02

Automatic disconnection device between a generator and the public low-voltage grid; Amendment 1.

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



Name: James Huang
Technical Manager/ New Energy Team
Date: 2020-07-31

This document shall not be reproduced, except in full, without the written approval of
Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch.
Information given in this document is related to the tested specimen of the described electrical sample.

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

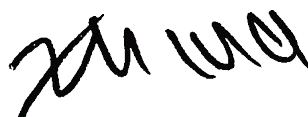
Product	Converter SOLAR INVERTER
Name and address of the applicant	Huawei Technologies Co., Ltd. Administration Building Headquarters of Huawei Technologies Co., Ltd. Bantian, Longgang District 518129 Shenzhen PEOPLE'S REPUBLIC OF CHINA
Name and address of the manufacturer	Huawei Technologies Co., Ltd. Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, 518129 Shenzhen, PEOPLE'S REPUBLIC OF CHINA
Name and address of the factory	ShenZhen FuGui Precision Industry Co., Ltd. F8d District, Foxconn Science and Technology Industrial Park, East side of Min Qing Road, Longhua District, Longhua Subdistrict, Longhua District, 518110 Shenzhen, PEOPLE'S REPUBLIC OF CHINA Huawei Machine Co., Ltd. No. 2, New City Avenue, Songshan Lake Sci. & Tech. Industry Park, 523808 Dongguan, PEOPLE'S REPUBLIC OF CHINA Dongguan Yang Tian Electronic Technology Co., Ltd. (i-Brights) No.152, Luyuan Rd., Keyuancheng, Tangxia Town, 523710 Dongguan City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA DongGuan Fuyi Precision Industry Co.,Ltd. Floor 1st-4th, Building 12, No.6, Songshui Road, Songmu Village, Weifeng Industrial City, Dalang Town, 523770 Dongguan, Guangdong, PEOPLE'S REPUBLIC OF CHINA

Page 1 of 5

This CB Test Certificate is issued by the National Certification Body

CB 041829 4413 Rev. 01

Date, 2020-12-28



(Zhengdong Ma)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany



Product Service

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

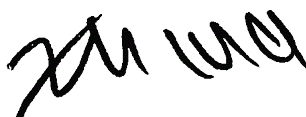
Ratings and principal characteristics

General Parameters:

Model	For all models
d.c. Max. Input Voltage:	1100Vd.c.(All models) 800Vd.c.(SUN2000-20KTL-M3)
d.c. Max. Input Current:	26A/26A/26A/26A
Isc PV:	40A/40A/40A/40A
MPP Voltage Range:	200–1000Vd.c.(All models) 200–750Vd.c.(SUN2000-20KTL-M3)
a.c. Nominal Operating Frequency:	50/60Hz
Power Factor:	0.8 leading ... 0.8 lagging
Protection Class:	Class I
Ingress Protection:	IP66
Overvoltage Category:	II(PV), III(MAINS)
Operating Temperature Range:	-25°C ... +60°C
Pollution Degree:	III
Inverter Topology:	Non-isolation
Remark: There are two versions for model SUN2000-20KTL-M3.	

AC Output Parameters:

Model	SUN2000-15KTL-M3	SUN2000-17KTL-M3
a.c. Output Nominal Voltage:	3/N/PE~ 380/400Va.c.	3/N/PE~ 380/400Va.c.
a.c. Max. Output Current:	25.2A	28.5A
a.c. Rated Output Power:	15kW	17kW
a.c. Max. Output Apparent Power:	16.5kVA	18.7kVA



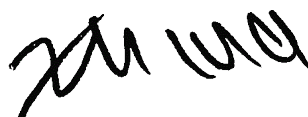
(Zhengdong Ma)

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Ratings and principal characteristics

Model	SUN2000-20KTL-M3	SUN2000-23KTL-M3
a.c. Output Nominal Voltage:	3/N/PE~ 380/400Va.c. 3/N/PE~ 220/400Va.c.	3/N/PE~ 380/400Va.c.
a.c. Max. Output Current:	33.5A (380Va.c.) 31.9A (400Va.c.) 58.0A (220Va.c.)	35.1A
a.c. Rated Output Power:	20kW	23kW
a.c. Max. Output Apparent Power:	22kVA	23kVA

Model	SUN2000-28KTL-M3	SUN2000-29.9KTL-M3
a.c. Output Nominal Voltage:	3~ 480Va.c.	3/N/PE~ 400Va.c. 3~ 480Va.c.
a.c. Max. Output Current:	33.5A	43.2A (400Va.c.) 36.0A (480Va.c.)
a.c. Rated Output Power:	27.5kW	29.9kW
a.c. Max. Output Apparent Power:	27.5kVA	29.9kVA



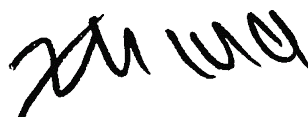
(Zhengdong Ma)

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

Ratings and principal characteristics

Model	SUN2000-30KTL-M3	SUN2000-36KTL-M3
a.c. Output Nominal Voltage:	3/N/PE~ 380/400/440/480Va.c.	3/N/PE~ 380/400/440/480Va.c.
a.c. Max. Output Current:	50.4A (380Va.c.) 47.9A (400Va.c.) 43.5A (440Va.c.) 39.9A (480Va.c.)	61.1A (380Va.c.) 58.0A (400Va.c.) 52.8A (440Va.c.) 48.4A (480Va.c.)
a.c. Rated Output Power:	30kW	36kW
a.c. Max. Output Apparent Power:	33kVA	40kVA

Model	SUN2000-40KTL-M3	SUN2000-42KTL-M3
a.c. Output Nominal Voltage:	3/N/PE~ 380/400/440/480Va.c.	3~ 480Va.c.
a.c. Max. Output Current:	67.2A (380Va.c.) 63.8A (400Va.c.) 58.0A (440Va.c.) 53.2A (480Va.c.)	56.8A
a.c. Rated Output Power:	40kW	42kW
a.c. Max. Output Apparent Power:	44kVA	47kVA



(Zhengdong Ma)

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

Trade mark (if any)

HUAWEI

Model/type Ref.

**SUN2000-15KTL-M3, SUN2000-17KTL-M3,
SUN2000-20KTL-M3, SUN2000-23KTL-M3,
SUN2000-28KTL-M3, SUN2000-29.9KTL-M3,
SUN2000-30KTL-M3, SUN2000-36KTL-M3,
SUN2000-40KTL-M3, SUN2000-42KTL-M3.**

Additional information (if necessary)

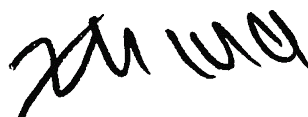
DE 3 - 9160 issued on 2020-11-25 is replaced by this version due to technical changes.

A sample of the product was tested and found to be in conformity with

IEC 62109-1:2010
IEC 62109-2:2011as shown in the Test Report Ref. No.
which forms part of this certificate

083-52008203-100

Ratings and principal characteristics (continued)



(Zhengdong Ma)