



**BUREAU
VERITAS**

ATTESTATION of conformity with European Directives

Attestation Number: **1988AB0827N057002**

Product: **SOLAR INVERTER**

Brand Name: **HUAWEI**

Model: **SUN2000-100KTL-M1**

Additional Model: **SUN2000-100KTL-INM0**

Applicant: **Huawei Technologies Co., Ltd.**

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

Parameter	SUN2000-100KTL-M1	SUN2000-100KTL-INM0
Input	DC 200-1000V, 26A*10 112200W	DC 200-1000V, 26A*10 112200W
Output	220Vac/380Vac, 230Vac/400Vac, 3(N)W+PE 277Vac/480Vac ; 3W+PE, 50/60Hz, 100kW	240Vac/415Vac, 3(N)W+PE 277Vac/480Vac ; 3W+PE, 50/60Hz, 100kW
Max	168.8A for 380Vac, 160.4A for 400Vac, 133.7A for 480Vac, 110kVA	154.6A for 415Vac, 133.7A for 480Vac, 110kVA
Power	110kW	110kW
RS485	Support	Support
MBUS	Support	Support
USB Smart Dongle	Support	Support

The submitted sample of the above equipment has been tested for **CE** marking according to following European Directive and standards:
-Electromagnetic Compatibility Directive 2014/30/EU

Standards	Report Number	Report date
EN 55011:2016 + A1:2017 (Group 1) EN 62920:2017 EN 61000-6-3:2007 + A1:2011 (Telecom Port) * EN 61000-6-4:2007 + A1:2011 (Telecom Port) EN 61000-3-12:2011, EN 61000-3-11:2001 EN 61000-6-2:2005	CE190827N057	Aug. 30, 2019

* The MBUS communication mode or AC 480V power supply 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 in the specified European Directive.

This verification does not imply assessment of the production of the product. The **CE** marking may be affixed if all relevant and effective European Directives with **CE** are applicable.

**Assistant Manager
EMC Department**



**Name: Madison Luo
Data: Aug. 30, 2019**

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Bureau Veritas Shenzhen Co., Ltd.

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

**Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch**

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Houjie Town, Dongguan City,
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**BUREAU
VERITAS**

CERTIFICATE OF CONFORMITY

Certificate Number: **1988AB0827N057001**
Product: **SOLAR INVERTER**
Brand Name: **HUAWEI**
Model: **SUN2000-100KTL-M1**
Additional Model: **SUN2000-100KTL-INM0**
Applicant: **Huawei Technologies Co., Ltd.**
Address: **Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, China**

Parameter	SUN2000-100KTL-M1	SUN2000-100KTL-INM0
Input	DC 200-1000V, 26A*10 112200W	DC 200-1000V, 26A*10 112200W
Output	220Vac/380Vac, 230Vac/400Vac, 3(N)W+PE 277Vac/480Vac ; 3W+PE, 50/60Hz, 100kW	240Vac/415Vac, 3(N)W+PE 277Vac/480Vac ; 3W+PE, 50/60Hz, 100kW
Max	168.8A for 380Vac, 160.4A for 400Vac, 133.7A for 480Vac, 110kVA	154.6A for 415Vac, 133.7A for 480Vac, 110kVA
Power	110kW	110kW
RS485	Support	Support
MBUS	Support	Support
USB Smart Dongle	Support	Support

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

Standards	Report Number	Report date
CISPR 11:2015 + A1:2016 (Group 1) IEC 62920:2017 IEC 61000-6-3:2006 + A1:2010 (Telecom Port) * IEC 61000-6-4:2006 + A1:2010 (Telecom Port) IEC 61000-3-12:2011, IEC 61000-3-11:2017 IEC 61000-6-2:2005	CE190827N057	Aug. 30, 2019

* The MBUS communication mode or AC 480V power supply 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.

**Assistant Manager
EMC Department**

**Name: Madison Luo
Data: Aug. 30, 2019**

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Certificate of Conformity

Certificate No.: 1988AP0905N026006

Equipment: SOLAR INVERTER



Brand Name: HUAWEI

Test Model No.: SUN2000-100KTL-M1

Applicant: Huawei Technologies Co., Ltd.

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

Report No.: PVSP190905N026-1

Use in accordance with regulations:

The previously listed inverters are three-phase and have an automatic disconnection / connection device controlled by software, in accordance with the regulations stated below. The end user will not have access to the adjustment software.

Applied rules and standards

UNE 206006 IN:2011

Island operation detection tests of multiple photovoltaic inverters connected to a parallel network

UNE 206007-1 IN:2013

Requirements for connection to the electricity network Part 1: Inverters for connection to the distribution network

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

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

Name: James Huang
Technical Manager/ New Energy Team
Date: 2019-12-20

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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

Huawei Machine Co., Ltd.
No. 2, New City Avenue, Songshan Lake Sci. & Tech. Industry Park,
523808 Dongguan, PEOPLE'S REPUBLIC OF CHINAShenzhen FuGui Precision Industry Co., Ltd.
D7-2F, D8-1F & 3F, Foxconn Science and Technology, Industrial
Park, East side of Min Qing, Road, Longhua Subdistrict, Longhua
District, 518109 Shenzhen, PEOPLE'S REPUBLIC OF CHINADongguan Yang Tian Electronic Technology Co., Ltd. (i-Brights)
No.152, Luyuan Rd., Keyuancheng, Tangxia Town, 523710
Dongguan City, Guangdong Province, PEOPLE'S REPUBLIC OF
CHINADongGuan 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

This CB Test Certificate is issued by the National Certification Body

CB 041829 3913 Rev. 00

Date, 2019-12-12

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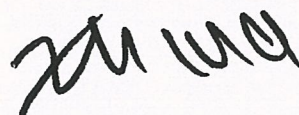
(Zhengdong Ma)



Product Service

Ratings and principal characteristics

Model	SUN2000-125KTL-M0	SUN2000-110KTL-M0	SUN2000-100KTL-M0
d.c. Max. Input Voltage:	1100V		
d.c. Max. Input Current:	10 x 26A		
Isc PV:	10 x 40A		
MPP Voltage Range:	200V – 1000V		
a.c. Output Nominal Voltage:	3~, 500V	3/N/PE, 380/400V	3/N/PE, 380/400V
a.c. Nominal Operating Frequency:	50Hz	50/60Hz	50/60Hz
a.c. Max. Output Current:	160,4A	185,7A (380Vac) 176,4A (400Vac)	168,8A (380Vac) 160,4A (400Vac)
a.c. Rated Output Power:	125kW	110kW	100kW
a.c. Max. Output Apparent Power:	137,5kVA	121kVA	110kVA
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		
Altitude:	4000 m		



(Zhengdong Ma)



Ratings and principal characteristics

Model	SUN2000-100KTL-M1	SUN2000-100KTL-INM0
d.c. Max. Input Voltage:	1100V	
d.c. Max. Input Current:	10 x 26A	
Isc PV:	10 x 40A	
MPP Voltage Range:	200V – 1000V	
a.c. Output Nominal Voltage:	3/N/PE, 380/400V 3~, 480V	3/N/PE, 415V 3~, 480V
a.c. Nominal Operating Frequency:	50/60Hz	
a.c. Max. Output Current:	168,8A (380Vac) 160,4A (400Vac) 133,7A (480Vac)	154,6A (415Vac) 133,7A (480Vac)
a.c. Rated Output Power:	100kW	100kW
a.c. Max. Output Apparent Power:	110kVA	110kVA
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	
Altitude:	4000 m	

Trade mark (if any)

Huawei

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Date, 2019-12-12

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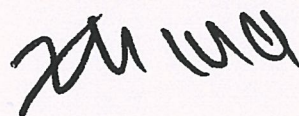
Product Service

Model/type Ref.

**SUN2000-125KTL-M0, SUN2000-110KTL-M0,
SUN2000-100KTL-M0, SUN2000-100KTL-M1,
SUN2000-100KTL-INM0.**A sample of the product was tested and found
to be in conformity withIEC 62109-1:2010
IEC 62109-2:2011as shown in the Test Report Ref. No.
which forms part of this certificate

083-51917505-000

Ratings and principal characteristics (continued)



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