Product Service

EU Type Examination Certificate

Certificate No: TPS-RED500156 i01

Certificate Holder: **Huawei Technologies Co., Ltd.**
Administration Building
Headquarters of Huawei Technologies Co., Ltd.
Bantian, Longgang District
518129 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Product Type: **Wireless LAN equipment**
Solar Inverter

Model(s): **SUN2000-20KTL-M0, SUN2000-8KTL, SUN2000-10KTL, SUN2000-12KTL, SUN2000-8KTL-M0, SUN2000-10KTL-M0, SUN2000-12KTL-M0, SUN2000-15KTL-M0, SUN2000-17KTL-M0**

We, as Notified Body number 0123, have examined the technical documentation and supporting evidence for the above listed equipment and found it to comply with the requirements of Annex III Module B of Radio Equipment Directive 2014/53/EU in relation to the following essential requirements covered by the examination

Essential Requirements: Article 3.1 (a) in respect of Health and Safety
Article 3.1 (b) in respect to EMC
Article 3.2 in respect to the use of the Radio Spectrum

This is based upon examination of the following Technical Data file. Please refer to the Annex for further technical details.

Technical Documentation: SUN2000-8KTL (v) RED TCF

Valid from: 2020-03-26

(Laurentiu Dan Miiler)

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The certificate has been issued in accordance with the Certification Regulations of TÜV SÜD Product Service GmbH (Notified Body Number 0123) and constitutes page 1 of the combined Certificate and Annex.

The CE marking may be used on the equipment described above subject to the equipment meeting the compliance requirements of all applicable EU directives.

The conditions for the validity of this certificate are listed in the Annex.
For further details related to this certification please contact ps-zert@tuev-sued.de

Issued by TÜV SÜD Product Service under document number: RED1A 041829 4060 Rev. 00

Annex to
EU-Type Examination Certificate

1 Equipment Description

Equipment is a Solar Inverter supporting WLAN technology.

1.1 Models

	Model	Variant HW/SW Differences	HW Version	SW Version
Original	SUN2000-20KTL-M0	All models have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction, with SOLAR INVERTER SUN2000-20KTL-M0. The differences among these models are only in the output power ratings	V100	V100
Variant	SUN2000-8KTL, SUN2000-10KTL, SUN2000-12KTL, SUN2000-8KTL-M0, SUN2000-10KTL-M0, SUN2000-12KTL-M0, SUN2000-15KTL-M0, SUN2000-17KTL-M0			

1.2 Supported Functions and Features

1.2.1 Non-radio features

d.c. Max. Input Voltage: 1080VDC; d.c. Max. Input Current: 22A/22A;

MPPT Voltage Range: 160VDC – 950VDC; Output Voltage 3/N/PE, 380/220V; 3/N/PE, 400/230V

Output Frequency: 50/60Hz

1.2.2 Radio features

Radio	Features	Operating Spectrum / Power	
IEEE 802.11 – 2.4 GHz	b/g/n20, Adaptive	2400-2483.5 MHz	17.99 dBm

1.3 Associated Parts

Model/Part Number	Description
N/A	N/A

2 Assessed Standards

Article 3.1(a)	Article 3.1(b)	Article 3.2
EN 62109-1:2010 EN 62109-2:2011 EN 50385:2017 EN 62232:2017	EN 55011:2016 EN 62920:2017 EN 61000-6-1:2007 EN 61000-6-2:2005 EN 61000-6-3:2007/A1:2011 EN 61000-6-4:2007/A1:2011 EN 301 489-1 V2.2.3 Draft EN 301 489-17 V3.2.2 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 61000-3-11:2000 EN 61000-3-12:2011	EN 300 328 V2.1.1

3 Technical Documentation

3.1 Technical Documentation

Technical documentation and supporting evidence were examined and found to comply with the EU-type examination requirements in conjunction with Annex V requirements of the directive.

3.2 Declarations

Declaration of Conformity of SUN2000-8KTL(v) for RED, Draft	Dated	2020-03-17
Declaration of multiple model difference	Dated	2020-03-20

3.3 Strategic Documentation

Risk Assessment Letter for SUN2000-8KTL(v)	Issued	2020-03-23
Justification of Conformity of SUN2000-8KTL(v) for RED	Modified	2020-03-26

3.4 Technical Compliance Documentation

3.4.1 Article 3.1(a)

083-52008201-000	Issued	2020-03-18
SYBH(R-EMF)05606530EA-1	Issued	2019-09-19

3.4.2 Article 3.1(b)

68.760.20.0076.01	Issued	2020-03-18

3.4.3 Article 3.2

ES190709018W	Issued	2019-08-18

4 Additional Information

None

Annex to
EU-Type Examination Certificate

5 Conditions of Validity

None

Signature: _____ Date: 2020-03-26

On behalf of TÜV SÜD Product Service