



CERTIFICATE RED-3293

Issue no. 1

EU TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product SOLAR INVERTER
Model SUN2000-5K-MAP0
Series models SUN2000-6K-MAP0, SUN2000-8K-MAP0, SUN2000-10K-MAP0,
SUN2000-10K-MAP0-BE, SUN2000-12K-MAP0, SUN5000-8K-MAP0,
SUN5000-12K-MAP0

Trademark



Certificate holder / Manufacturer Huawei Digital Power Technologies Co., Ltd.
Office 01, 39th Floor, Block A, Antuoshan Headquarters Towers, 33 Antuoshan
6th Road, Futian District, Shenzhen, 518043, P.R.C

Other information -

Compliance with the requirements on the basis of type examination Product fulfils the requirements of the standard(s) listed on page 2 and the essential requirements set out in Article 3.1a (Health & Safety), Article 3.1b (EMC) and Article 3.2 (Radio Spectrum Use) of the Radio Equipment Directive 2014/53/EU.

Validity This certificate is valid until 2029-08-09 unless the standard in question has been amended or superseded.

Date of issue 2024-08-09

SGS Fimko Ltd

Signature



Janne Nyman
Technical Manager (EMC / RF)

SGS Fimko Ltd is a Notified Body (0598) according to the RE Directive 2014/53/EU.



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SGS Fimko Ltd

Takomotie 8, FI-00380 Helsinki, Finland
t. +358 9 696 361 www.sgs.fi

Business ID 0978538-5

Member of the SGS Group (SGS SA)

Applied standards

Article	Standard
3.1a Health & Safety	EN 62109-2:2011 EN 62109-1:2010 EN 50385:2017
3.1b EMC	EN 55011:2016+A1:2017, EN 55011:2016+A11:2020 EN 55011:2016+A2:2021, EN 62920:2017+A11:2020 EN 62920:2017+A1:2021, EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2021 EN IEC 61000-6-4:2019, EN 301 489-1 V2.2.3 EN 301 489-1 V1.9.2, EN 301 489-17 V3.2.4 EN 61000-3-11:2000, EN 61000-3-12:2011, EN 61000-3-3:2013, EN 61000-3-2:2014
3.2 Radio Spectrum	EN 300 328 V2.2.2

Test reports

Testing Laboratory	Report Number	Date
Intertek Testing Services Shenzhen Ltd.	240604007SZN-001	2024-04-07
UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch	4791245121-RF-1	2024-03-28
Global Compliance and Testing Center of Huawei Technologies Co., Ltd.	SYBH(R- EMF)10672382-1	2024-08-06
DEKRA Testing and Certification (Suzhou) Co., Ltd.	6183352.50A	2024-05-09
	6183352.50B	2024-05-09

Technical information

DC Power input: 1100 Vdc
AC Power output: 230 Vac / 400 Vac, 50 / 60 Hz
AC output cable: 50 m
PV input cable: 50 m
BAT cable: less than 20 m
RS485 cable: more than 30 m
Enable cable: less than 20 m
DI cable: more than 30 m
Earth cable: 2 m

Frequency band:
WLAN: 2412 MHz – 2472 MHz

Transmit power:
WLAN: 18.31 dBm

Antenna type: Chip Antenna
Antenna gain: 2.85 dBi for model YAGEO ANT9520LL06R2400A
Antenna gain: 2.0 dBi for model SUNLORD SLDA92-2R450G-S2TF

Hardware version: V200R024
Software version: V200R024

Additional information

This type examination certificate is based on the inspection of the technical documentation ref. no. TFRED_SZCR2407002961AT_Dated August 02, 2024 provided by the manufacturer.

This certificate is valid only for the models mentioned in this certificate.

The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.