

Test Verification of Conformity

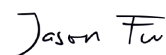
Verification Number: 250804147GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product has been tested by an accredited 3rd party laboratory in accordance to the referenced specification<s>/standard<s> at the time the tests were carried out. This verification is part of the full test report<s> and should be read in conjunction with it <them>.

This document can be used in support of a claim in meeting relevant EU legislation and mandatory Conformity Marking. And in accordance with EU / UK law, the claim is the sole obligation of the Manufacturer/ Importer.

Applicant Name & Address:	Huawei Technologies Co., Ltd. Administration Building Headquarters of Huawei Technologies Co., Ltd. Bantian, Longgang District 518129 Shenzhen PEOPLE'S REPUBLIC OF CHINA
Product Description:	Solar inverter
Ratings & Principal Characteristics:	See Appendix to Test Verification of Conformity
Models/Type References:	SUN2000-30K-MC0, SUN2000-40K-MC0, SUN2000-50K-MC0
Brand Names:	 HUAWEI
Specification<s>/Standards:	IEEE 1547: 2003, IEEE 1547a:2014 & IEEE 1547.1: 2005+ A1: 2015 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/ E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	01 September 2025 – 26 September 2025
Test Report Number(s):	250804147GZU-001, 10 October 2025

Additional information in Appendix.



Signature

Name: Jason Fu

Position: Manager

Date: 16 October 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250804147GZU-VOC001

Ratings & Principle
Characteristics:

MODEL	SUN2000-30K-MC0	SUN2000-40K-MC0	SUN2000-50K-MC0
V _{MAX} PV [Vdc]	1100V		
DC MPPT Voltage Range [Vdc]	180 ~1000 V		
Max, Input Current I _{MAX} [A]	27A*4		30A/33A/33A/30A
MPP Full Power Voltage Range [Vdc]	500Vdc ~ 800Vdc (380V/400V) 625Vdc ~ 850Vdc (480V)	540Vdc ~ 800Vdc (380V/400V), 625Vdc ~ 850Vdc (480V)	530Vdc ~ 800Vdc (380V/400V), 625Vdc ~ 850Vdc (480V)
Start PV Voltage [Vdc]	180V		
Rated Output Voltage Ur [Vac]	220/380V, 230/400V, 277/480V, 3W+(N)+PE		
Rated Output Frequency F _{NETZ} [Hz]	50/60Hz		
Rated Output Power P _E [kW]	30kW	40kW	50kW
Max, Output Current I _{max} [A]	50.4A (380V) 47.9A (400V) 39.9A (480V)	67.2A (380V) 63.8A (400V) 53.2A (480V)	84.0A (380V) 79.8A (400V) 66.5A (480V)
Power Factor cosφ [λ]	-0,8~+0.8		
Enclosure Protection (IP)	IP66		
Operating Temperature Range [°C]	-25°C ~+60°C		
Pollution degree (PD)	PD3(External), PD2(Internal)		
Size (W/H/D) [mm]	640×530×270mm		
Weight [kg]	45kg		
The Software version:	SUN2000MC V800R025C00		

The accuracy of the voltage is ±1%Un,
The accuracy of the frequency is ±0.01Hz,
The accuracy of the time is ±0.1s

Jason Fu

Signature

Name: Jason Fu

Position: Manager

Date: 16 October 2025

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