


Test Verification of Conformity

Verification Number: 230208033GZU-VOC001

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of 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>.

Applicant Name & Address:	Huawei Technologies Co., Ltd. Huawei Base, Bantian Longgang District Shenzhen, P.R. China
Product Description:	SOLAR INVERTER
Ratings & Principle Characteristics:	See Appendix to Test Verification of Conformity
Models/Type References:	SUN2000-50KTL-M3
Brand Names:	 HUAWEI
Specification<s>/Standards:	IEEE 1547: 2003 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems IEEE 1547.1: 2005+ A1: 2015 IEEE Standard Conformance Test Procedures for Equipment 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:	08 Feb. 2023 – 22 Mar. 2023
Test Report Number(s):	230208033GZU-001

Additional information in Appendix.



Signature

Name: Tommy Zhong

Position: Technical Manager

Date: 12 Jun. 2023

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 230208033GZU-VOC001

Ratings & Principle Characteristics:

d.c. Max. Input Voltage: 1100Vd.c.
d.c. Max. Input Current: 30A/ 30A/ 30A/ 30A
Isc: 40A/ 40A/ 40A/ 40A
d.c. MPPT Range: 200-1000Vd.c.
a.c. Output Nominal Voltage: 380/400/480Va.c., 3(N)~+PE
a.c. Nominal Operating Frequency: 50/60Hz
a.c. Output Rated Power: 50kW
a.c. Output Max. Apparent Power: 55kVA
a.c. Output Max. Current: 84.0A (380Va.c.), 79.8A (400Va.c.), 66.5A (480Va.c.)
a.c. Output Rated Current: 76.0A (380Va.c.), 72.2A (400Va.c.), 60.2A (480Va.c.)
Power Factor: 0.8 (lagging) – 0.8 (leading)
Operating Temperature Range: -25~+60°C
Inverter Topology: Non-Isolation
Enclosure: IP66
Protection Class: I

The accuracy of the voltage is $\pm 1\%U_n$,
The accuracy of the frequency is $\pm 0.01\text{Hz}$,
The accuracy of the time is $\pm 1\%$, but not less than $\pm 50\text{ms}$.



Signature

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Position: Technical Manager

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