



Test Verification of Conformity

Verification Number: 250725033GZU-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:	SOCIETE INDUSTRIELLE ET COMMERCIALE D' APPAREILS DOMESTIQUES SICAD COALA Industrial zone BP143 Sidi Bouzid 9100 Tunisia
Product Description:	Single-Phase Grid-Connected Inverter
Ratings & Principal Characteristics:	See Appendix: Test Verification of Conformity
Models/Type References:	CG-3.6K, CG-4K, CG-4.6K, CG-5K, CG-6K
Brand Names:	
Specification<s>/Standards:	IEC/EN 62109-1: 2010 Safety of power converters for use in photovoltaic power systems – Part 1: General requirements IEC/EN 62109-2: 2011 Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch. Room101/301/401/102/202/302/402/502/602/702/802, No. 7-2, Caipin Road, Huangpu District, Guangzhou, Guangdong, China
Date of Tests:	01 Aug 2025 – 01 Sep 2025
Test Report Number(s):	250725033GZU-001, 24 Oct 2025 250725033GZU-002, 24 Oct 2025



Signature

Name: Elly Han

Position: Project Manager

Date: 24 Oct 2025

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APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 250725033GZU-VOC001

Ratings & Principle
Characteristics:

Model	CG-3.6K	CG-4K	CG-4.6K	CG-5K	CG-6K
PV Input Data					
Max. PV access power	7200W	8000W	9200W	10000W	12000W
Max. PV input power	4700W	5500W	6000W	6500W	7800W
Max. PV input voltage	550Vd.c				
Operation voltage range	80-540Vd.c				
Number of independent MPPT/strings per MPPT	2/1				
MPPT max. current	14/14Ad.c				
MPPT max. short circuit current	18/18Ad.c				
AC Output Data					
Rated output power	3.6kW	4kW	4.6kW	5kW	6kW
Max. output power	4kW	4.4kW	5kW	5.5kW	6.6kW
Rated output voltage	230Va.c, L+N+PE				
Rated grid frequency	50/60Hz				
Rated output current	15.7Aa.c	18Aa.c	20Aa.c	21.8Aa.c	26.1Aa.c
Max output current	17.3Aa.c	20Aa.c	22Aa.c	24Aa.c	29Aa.c
Power factor range	0.8Leading~0.8Lagging				
General Data					
Operation temperature range	-25 °C ~+60 °C				
Protection Class	I				
Ingress protection	IP66				
Software version	V3.0				

Elly Han

Signature

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