

# 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

Single-Phase Grid-Connected Inverter

Product Description:

See Appendix: Test Verification of Conformity

Ratings & Principal  
Characteristics:

CG-3.6K, CG-4K, CG-4.6K, CG-5K, CG-6K

Models/Type References:



Brand Names:

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:

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Date of Tests:

01 Aug 2025 – 01 Sep 2025

Test Report Number(s):

250725033GZU-001, 24 Oct 2025

250725033GZU-002, 24 Oct 2025

*Elly Han*

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
<b>PV Input Data</b>					
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		
<b>AC Output Data</b>					
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		
<b>General Data</b>					
Operation temperature range			-25 °C ~+60 °C		
Protection Class			I		
Ingress protection			IP66		
Software version			V3.0		

*Elly Han*

Signature

Name: Elly Han

Position: Project Manager

Date: 24 Oct 2025

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