

Certificate of Conformity

By the product certificate number

No. 240210RECO01-A-CER

Issued to:

License holder: **GLOBAL TECH CHINA LTD.**
Unit 702-704, 7/F., Texwood Plaza, 6 How Ming Street, Kwun Tong, Kln., Hong Kong

Trademark:



Contract number: **802835**

It is certified that the product:

Type of generator: **Bi-directional Converter**

Models:

**SM5.5kWPL / SM5.5kWLS / SM5.5kWLL / SM5.5kWGB / LIFE5.5HYB02
SM3.6kWPL / SM3.6kWLS / SM3.6kWLL / SM3.6kWGB / LIFE3.6HYB02
SM2.5kWPL / SM2.5kWLS / SM2.5kWLL / SM2.5kWGB / LIFE2.5HYB02**

Technical Data:	Rated Active Power:	See page 2
	Rated Voltage:	230 V _{ac}
	Rated Frequency:	50 Hz
	Firmware version:	Dispay PCB: V1.5 Control PCB: V1.5
	Number of phases:	Single Phase (L/N/PE)
	Isolation transformer:	No

Is in compliance with standard:

EN 50549-1: 2019 "Requirements for generating plants to be connected in parallel with distribution networks" – Part 1: Connection to a LV Distribution Network - Generating Plants up to and including type B.

This certificate just covers PV inverters models certified below above-mentioned references to be installed in PV generating of plants type B to be connected to a LV distribution network.

The above-mentioned product is certified according to the standard EN 50549-1: 2019 and is valid to be installed in PV generating of type plants B to be connected to a LV distribution network. The relation between this European Standard with the relevant Article of COMMISSION REGULATION (EU) 2016/631 (NC RfG) is considered as it is indicated in the annex H of the standard EN 50549-1: 2019.

Requirements for interface protection according to the clause 4.9.3 of the above-mentioned standard have been checked verifying upper and lower thresholds of the voltage and frequency configuration ranges which are required in the certified standard. This ensures the compliance with interface protection settings which adjusted inside of these configuration ranges.

Additionally, this certification ensures the compliance with specific deviations for interface protection according for **The Netherlands** which have been verified according to settings defined in section A.16 NL of the standard EN 50438: 2013.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-53 based on the requirements of the UNE-EN ISO / IEC 17065.

First issued on: 13th September 2024.

This certificate is valid until: 13th September 2029.

Madrid, 13th September 2024.

Daniel Arranz Muñiz
Certification Manager



SGS Tecnos, S.A.U. C/ Trespademe, 29 - 28042 Madrid
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Full list of product references and nominal characteristics:

Model	SM5.5kWPL	SM5.5kWLS	SM5.5kWLL	SM5.5kWGB	LIFE5.5HYB02
PV Input					
Max. DC voltage	500 V				
MPPT Voltage Range	120-450 V				
AC Output					
Rated output power	5500 W				
Rated output current	24 A				

Model	SM3.6kWPL	SM3.6kWLS	SM3.6kWLL	SM3.6kWGB	LIFE3.6HYB02
PV Input					
Max. DC voltage	500 V				
MPPT Voltage Range	120-450 V				
AC Output					
Rated output power	3600 W				
Rated output current	16 A				

Model	SM2.5kWPL	SM2.5kWLS	SM2.5kWLL	SM2.5kWGB	LIFE2.5HYB02
PV Input					
Max. DC voltage	500 V				
MPPT Voltage Range	120-450 V				
AC Output					
Rated output power	2500 W				
Rated output current	11 A				

