



Product Carbon Footprint Verification Statement ^{China}

No. P2GHG 086470 0251 Rev. 00

Client:	Ginlong Technologies Co., Ltd. No.57 Jintong Road Binhai Industrial Park, Xiangshan 315712 Ningbo, Zhejiang PEOPLE'S REPUBLIC OF CHINA
Responsible Party:	Ginlong Technologies Co.,Ltd. No. 188 Jinkai Road, Binhai Industrial Park,Xiangshan, 315712 Ningbo, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
Product Name:	PV inverter
Verification Criteria:	ISO 14064-3:2019 ISO 14067:2018
Functional Unit:	1kWh of AC energy output converted from DC energy generated from the panels, during a reference service life (RSL) of 25 years
Level of Assurance:	Reasonable assurance level
Materiality:	5% of total emissions within system boundary
Operation Rule:	CCB_GHG_GR_001CS REV.05
Verification Conclusion:	The verification for the product carbon footprint claimed by the responsible party is conducted according to ISO 14064-3: 2019. After verification, it confirms that the claim of the responsible party." The cradle-to-grave carbon footprints of PV inverter named Solis S6-GC80K, Solis S6-GC100K, Solis S6-GC110K and Solis S6-GC125K produced by Ginlong Technologies Co., Ltd. from 2023-07-01 to 2024-06-30 are 1.54E-03 kgCO ₂ e, 1.23E-03 kgCO ₂ e, 1.12E-03 kgCO ₂ e and 9.87E-04 kgCO ₂ e respectively. " meets the requirements of ISO 14067 :2018.

The objective of product carbon footprint verification is to confirm the accuracy and conformity of the claim declared by responsible party according to verification criteria. The product carbon footprint verification statement is issued by TÜV SÜD, acting as the third-party validation and verification body, based upon the claim from the responsible party. The data and information supporting the claim were historical in nature. The responsible party is responsible for the claim and its conformity with the applicable specified requirements. This statement does not relieve the responsible party from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations.

Technical Area Category:	B15 Storage batteries, primary batteries, primary battery packs, other batteries and its components
Verification Report No.:	704092403772.REV 00
Issue Date:	2025-07-29

(Liang Gao)



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Verification Scope :

System Boundary : Cradle to Grave

Sites Covered
by Verification Activities: Ginlong Technologies Co., Ltd.
No. 188 Jinkai Road
Binhai Industrial Park, Xiangshan
315712 Ningbo, Zhejiang
PEOPLE'S REPUBLIC OF CHINA

Facilities, physical infrastructure, activities, technologies and processes : PV Inverter manufacturing

GHG SSRs : The facilities of the responsible party contributing to GHG emissions and removals within the system boundary

Types of GHGs : CO₂ , CH₄ , N₂O , HFC_S , PFC_S , SF₆ , NF₃

Time Boundary : 2023-07-01 to 2024-06-30

Product Category Rule : C-PCR-024 (TO PCR 2019:14) PV COMPONENTS: INVERTORS, BATTERY ENERGY STORAGE SYSTEMS, COMBINER BOXES AND TRACKER SYSTEMS Version 2024-04-30

Life Cycle Assessment Software : SimaPro 9.5.0.0

Database: Ecoinvent 3.9.1

Impact Assessment Method : IPCC 2021 GWP100 V1.02

Product Type	Product Carbon Footprint (kg CO ₂ e)
Solis S6-GC80K	1.54E-03
Solis S6-GC100K	1.23E-03
Solis S6-GC110K	1.12E-03
Solis S6-GC125K	9.87E-04