



Product Carbon Footprint Verification Statement ^{China}

No. P2GHG 002875 0010 Rev. 00

Client: LONGi Solar Technology Co., Ltd.
8369 Shangyuan Road
Caotan Eco-Industrial Park
Economic & Technological Development Zone
710018 Xi'an City, Shaanxi Province
PEOPLE'S REPUBLIC OF CHINA

Responsible Party: LONGi Solar Technology (Chuzhou) Co., Ltd.
No. 19 Huai'an Road, Nanqiao District, 239000 Chuzhou City,
Anhui Province, PEOPLE'S REPUBLIC OF CHINA

Product Name: LONGi Solar Technology (Chuzhou) Co., Ltd.
No.18 Huizhou Road, 239000 Chuzhou City, Anhui Province,
PEOPLE'S REPUBLIC OF CHINA

Verification Criteria: **Photovoltaic Module**
ISO 14067:2018
ISO 14064-3:2019

Functional Unit: 1 Wp (Watt-peak) of manufactured PV module, with activities
needed for a reference service of life (RSL) of 30 years (≥80% of
the labelled power output)

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 photovoltaic
module produced by LONGi Solar Technology (Chuzhou) Co., Ltd.
from 2023-09-01 to 2024-08-31 are as listed on page 2 (See page
2 for the product types and the carbon footprints) " 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.: 704062504989.REV 00

Issue Date: 2025-08-15

(Hongyu Tian)



Product Carbon Footprint Verification Statement ^{China}

No. P2GHG 002875 0010 Rev. 00

Verification Scope :

System Boundary :	Cradle to Grave
Sites Covered	LONGi Solar Technology (Chuzhou) Co., Ltd.
by Verification Activities:	No.18 Huizhou Road, 239000 Chuzhou City, Anhui Province PEOPLE'S REPUBLIC OF CHINA No. 19 Huai'an Road Nanqiao District, 239000 Chuzhou City, Anhui Province PEOPLE'S REPUBLIC OF CHINA
Facilities, physical infrastructure, activities, technologies and processes :	Photovoltaic Module manufacturing
GHG SSRs :	The facilities of the responsible party contributing to GHG emissions and removals within the system boundary
Types of GHGs :	CO ₂ , CH ₄ , N ₂ O , HFC _S , PFC _S , SF ₆ , NF ₃
Time Boundary :	2023-09-01 to 2024-08-31

Product Category Rule : PCR NPCR 029 version 1.2

Life Cycle Assessment

Software : SimaPro 10.2.0.0

Database: Ecoinvent 3.11

Impact Assessment Method : IPCC 2021 GWP100 V1.02

Product Carbon Footprint :	Product Type	Product Carbon Footprint
	LR8-66HGD-625M	0.396 kg CO ₂ e
	LR8-66HGD-620M	0.400 kg CO ₂ e
	LR8-66HGD-615M	0.403 kg CO ₂ e
	LR8-66HGD-610M	0.406 kg CO ₂ e
	LR8-66HGD-605M	0.410 kg CO ₂ e
	LR8-66HGD-600M	0.413 kg CO ₂ e
	LR8-66HGD-595M	0.416 kg CO ₂ e