



Product Carbon Footprint Verification Statement ^{China}

No. P2GHG 090762 0112 Rev. 00

Client:	Pylon Technologies Co., Ltd. No.300, Miaoqiao Road, Kangqiao Town Pudong New Area 201315 Shanghai PEOPLE'S REPUBLIC OF CHINA
Responsible Party:	Jiangsu Pylon Battery Co., Ltd. No. 7 Keyan 3rd Road, Yizheng Economic Development Zone, 211400 Yangzhou, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Product Name:	Energy Storage System Lithium Iron Phosphate (LFP) Battery Energy Storage System
Verification Criteria:	ISO 14067:2018 ISO 14064-3:2019
Functional Unit:	Battery System Force-H3 (1 BMS & 4 battery modules) providing 1 kWh of the total amount of energy over its service life, expressed in kWh.
Level of Assurance:	Reasonable Assurance Level
Materiality:	Less than 5% of total emissions within the system boundary
Operation Rule:	CCB_GHG_GR_001CS REV 05
Verification Conclusion:	In accordance with ISO 14064-3:2019, the claim submitted by the responsible party Jiangsu Pylon Battery Co., Ltd., stating that "From Jul. 1, 2024 to Dec. 31, 2024, the carbon footprint from cradle to grave (excluding the usage phase) of the Battery System Force-H3 (1 BMS & 4 battery modules) providing 1 kWh of the total amount of energy over its service life is: 0.030 kgCO ₂ e." was verified. It was verified that the organization's calculations of carbon footprint within the system boundary meet the requirements of ISO 14067:2018 and the stated data and information are based on historical facts and there is no major discrepancy.

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.:	7484284858-1 Rev.00
Issue Date:	2025-04-18

(Olina Li)



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Verification Scope :

System Boundary :	From cradle to grave (excluding usage stage), including four life cycle stages: raw material acquisition and pretreatment stage, main product production stage, product distribution stage, product end-of-life and recycling stage
Sites Covered	Jiangsu Pylon Battery Co., Ltd.
by Verification Activities:	No. 7 Keyan 3rd Road, Yizheng Economic Development Zone, 211400 Yangzhou, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA
Facilities, physical infrastructure, activities, technologies and processes :	Manufacturing of battery cells, modules, battery systems, and operation of related facilities
GHG SSRs :	The facilities of the responsible party contributing to GHG emissions within the system boundary.
Types of GHGs :	CO ₂ , CH ₄ , N ₂ O
Time Boundary :	1 st Jul. 2024 to 31 st Dec. 2024

Life cycle assessment software : Simapro 10.1

Database : Ecoinvent 3.10

Impact Assessment Method : EF V3.1

Product Carbon Footprint :

configuration	Reference value for product carbon footprint of 1kWh of total energy transferred by the battery system during its service life (kgCO ₂ e)
1 BMS & 2 battery modules	0.031
1 BMS & 3 battery modules	0.030
1 BMS & 4 battery modules	0.030
1 BMS & 5 battery modules	0.030
1 BMS & 6 battery modules	0.029
1 BMS & 7 battery modules	0.029