



Critical Review Statement

PanzerGlass A/S

Delta 8, Søften, 8382 Hinnerup, Denmark

This critical review concerns the cradle-to-grave Life Cycle Assessment (LCA) study of the empower charging cables, cradle-to gate LCA study for empower chargers and empower power banks in accordance with the standard ISO 14067:2018 for CO₂ climate footprint quantification.

Object

The critical review has been made on the LCA report "LCA report_Power_v1.0_PG".
Version: 18. December 2025

The reporting, modelling, relevant certificates, and other relevant documentation have been reviewed in relation to the listed standards.

Important Notes: This critical review confirms methodological compliance with ISO standards based on information provided by PanzerGlass A/S and does not constitute product certification. The carbon footprint is valid for the specific product version and conditions documented in the LCA report dated 18. December 2025.

Declaration

The review has been completed as a critical review with limited assurance by an external panel of reviewers. We hereby confirm that nothing has come to the reviewers' attention which would lead to conclude that the study does not give an accurate depiction or is not completed in accordance with the requirements of ISO 14067:2018 and ISO 14071:2024, in the above-referenced LCA report.

Important Limitations: Results reflect data quality, system boundaries, and assumptions at the time of assessment; significant product or supply chain changes may require reassessment. Use phase and end-of-life results are based on defined scenarios that may differ from actual user behavior and regional waste management practices.

Ref.: Critical Review Report_PanzerGlass_Power category_ISO 14067_December 2025

Date for certificate: 18-12-2025

Expire date: 18-12-2027

Validated by:

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Annex 1: Product Carbon Footprint Declaration

This annex presents the carbon footprint results for PanzerGlass A/S empower product category, covering charging cables, chargers, and power banks as assessed in the LCA report dated 18 December 2025.

Methodology and Scope

Climate Impact Indicator: Global Warming Potential - Total (GWP-total)

Characterization Method: IPCC 2021 Baseline model (100-year time horizon)

Functional Unit: kg CO₂eq. per piece (including product, packaging, and all components)

System Boundaries:

- Charging cables: Cradle-to-grave (complete life cycle including use phase and end-of-life)
- Chargers and power banks: Cradle-to-gate (raw material extraction through manufacturing, excluding use phase and end-of-life)

Carbon Footprint Results by Product

SKU number	Product name	Product type	Cradle-to-gate (cradle-to-grave for charging cables)	Unit
EM77942	empower Bank - 10000mAh - Titanium	10000mAh power bank	3,11	kg CO ₂ eq./psc.
EM82609	empower Bank - 10000mAh - Space Black	10000mAh power bank	3,11	kg CO ₂ eq./psc
EM78115	empower Bank - 5000mAh - Space Black	5000mAh power bank	2,12	kg CO ₂ eq./psc
EM82419	empower Bank - 5000mAh - Titanium	5000mAh power bank	2,12	kg CO ₂ eq./psc
EM23165	empower Bank w. Spin Stand - 5000mAh - Space Black	5000mAh power bank with kickstand	2,20	kg CO ₂ eq./psc
EM34876	empower Bank w. Spin Stand - 5000mAh - Titanium	5000mAh power bank with kickstand	2,20	kg CO ₂ eq./psc
EM41725	empower Racing 60W USB-C to Lightning - 1.2M - Silver White	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM52178	empower Racing 60W USB-C to USB-C - 1.2M - Silver White	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM64861	empower Racing 240W USB-C to USB-C - 1.2M - Space Black	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM77569	empower Racing 240W USB-C to USB-C - 1.2M - Silver White	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM84533	empower Racing 60W USB-C to USB-C - 1.2M - empower Sage	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM92155	empower Racing 60W USB-C to USB-C - 1.2M - Space Black	Racing 240 1.2m	0,35	kg CO ₂ eq./psc
EM59672	empower Magnetic 240W USB-C to USB-C - 1.5M - empower Sage	Racing 240 1.5m	0,57	kg CO ₂ eq./psc
EM68208	empower Magnetic 240W USB-C to USB-C - 1.5M - Space Black	Racing 240 1.5m	0,57	kg CO ₂ eq./psc

EM84572	empower Magnetic 240W USB-C to USB-C - 1.5M - Silver White	Racing 240 1.5m	0,57	kg CO ₂ eq./psc
EM32448	empower Racing 240W USB-C to USB-C - 2M - Space Black	Racing 240 2m	0,60	kg CO ₂ eq./psc
EM42585	empower Racing 60W USB-C to USB-C - 2M - empower Sage	Racing 240 2m	0,60	kg CO ₂ eq./psc
EM85432	empower Racing 60W USB-C to USB-C - 2M - Silver White	Racing 240 2m	0,60	kg CO ₂ eq./psc
EM86681	empower Racing 240W USB-C to USB-C - 2M - Silver White	Racing 240 2m	0,60	kg CO ₂ eq./psc
EM94057	empower Racing 60W USB-C to USB-C - 2M - Space Black	Racing 240 2m	0,60	kg CO ₂ eq./psc
EM30663	empower Turbo 30W Charger Single USB-C - UK - Silver White	Turbo 30W charger	2,14	kg CO ₂ eq./psc
EM52411	empower Turbo 30W Charger Single USB-C - EU - Silver White	Turbo 30W charger	2,14	kg CO ₂ eq./psc
EM51576	empower Turbo 35W Charger USB-C + USB-A - UK - Silver White	Turbo 35W charger	2,66	kg CO ₂ eq./psc
EM94326	empower Turbo 35W Charger USB-C + USB-A - EU - Silver White	Turbo 35W charger	2,66	kg CO ₂ eq./psc
EM58685	empower Turbo 45W Charger 2 x USB-C - EU - Silver White	Turbo 45W charger	3,88	kg CO ₂ eq./psc
EM96991	empower Turbo 45W Charger 2 x USB-C - UK - Silver White	Turbo 45W charger	3,88	kg CO ₂ eq./psc
EM31479	empower Turbo 70W Charger 2 x USB-C + USB- A - EU - Silver White	Turbo 70W charger	5,04	kg CO ₂ eq./psc
EM83840	empower Turbo 70W Charger 2 x USB-C + USB- A - UK - Silver White	Turbo 70W charger	5,04	kg CO ₂ eq./psc

CORPORATE LEVEL CERTIFICATION AND AFFILIATION

BENCHMARK

CERTIFICATION/ AFFILIATION

PANZERGLASS® DOCUMENTATION

DESCRIPTION



ISO 14064
Corporate Certification



This certification specifies principles and requirements at the organization level for the quantification and reporting of greenhouse gas (GHG) emissions and removals. It includes requirements for the design, development, management, reporting and verification of an organization's GHG inventory.



FSC MIX
Corporate License No: FSC® N003933



FSC MIX is a mixture of wood from FSC-certified forests or reclaimed materials with wood coming from forests that are not FSC certified but controlled. In many cases, mixing is the only feasible way to allow more companies to produce certified items and participate in the FSC system.



SEDEX
Corporate Account No: ZC41042845



SEDEX (Supplier Ethical Data Exchange) is a membership organization that provides a platform for companies to manage and share ethical and responsible business practices in their supply chains. SEDEX Certification is a process that verifies that a company is meeting the ethical standards established by SEDEX.



**UNITED NATIONS
GLOBAL COMPACT**
Corporate Member



By incorporating the Ten Principles of the UN Global Compact into strategies, policies and procedures, and establishing a culture of integrity, companies are not only upholding their basic responsibilities to people and planet, but also setting the stage for long-term success.

PRODUCTION LEVEL CERTIFICATION AND AFFILIATION

BENCHMARK

CERTIFICATION/ AFFILIATION

PANZERGLASS® DOCUMENTATION

DESCRIPTION



ISO 9001
Production Certification



PanzerGlass® can provide documentation for **product-level ISO 9001 certification**, a globally **recognized standard for quality management**. This standard helps to improve performance and demonstrate commitment to quality. Its requirements define how to establish, implement, maintain, and continually improve a quality management system (QMS).



ISO 14001
Production Certification



PanzerGlass® can provide documentation for **product-level ISO 14001 certification**, a globally **recognized standard for environmental management**. This standard helps to improve performance. Its requirements define how to establish, implement, maintain, and continually improve an environmental management system (EMS).



ISO 45001
Production Certification



PanzerGlass® can provide documentation for **product-level ISO 45001 certification**, the **world's international standard for occupational health and safety**, issued to protect employees and visitors from work-related accidents and diseases, mitigating any factors that can cause employees and businesses irreparable harm.



GRS
Production Certification



PanzerGlass® can provide documentation for **product-level Global Recycled Standard (GRS) certification**, an **international, voluntary, full product standard** that sets requirements for third-party certification of Recycled Content, chain of custody, social and environmental practices, and chemical restrictions.

COMPLIANCE AND AFFILIATIONS

BENCHMARK



CERTIFICATION/ AFFILIATION

REACH

Product Compliance

RoHS

Product Compliance

GREAT PLACE TO WORK

Corporate Partner

THE PERFECT WORLD FOUNDATION

Corporate Partner

PANZERGLASS® DOCUMENTATION



DESCRIPTION

REACH Certificate of Compliance is a document certifying that a product is compliant with the EU REACH regulation (EC) No 1907/2006. It can be a testing report or statement issued by a third-party testing organization. It could also be a self-declaration.

Restriction of Hazardous Substances (RoHS), is a directive aimed at reducing the use of hazardous materials in electrical and electronic products, ensuring their compliance with environmental and health standards by restricting the use of substances such as lead, mercury, and cadmium.

PanzerGlass® has partnered with the Great Place to Work initiative. As part of this initiative, an employee survey is provided to all employees in January, with a pulse survey in August. This survey both qualifies and quantifies how we are performing in the eyes of our employees.

The Perfect World Foundation is a non-profit organisation that raises awareness and supports efforts to take responsibility for our planet. This global collaboration bridges smartphone protection and ocean plastic cleanup. For each MATRIX sold, PanzerGlass® donates to the Perfect World Foundation Protect the Oceans campaign.

MEASURING RESULTS OF OUR CERTIFICATIONS AND AFFILIATIONS

BENCHMARK	CERTIFICATION/ AFFILIATION	PANZERGLASS® DOCUMENTATION	DESCRIPTION
60% RECYCLED GLASS	GRS TRANSACTION CERTIFICATE	✓	PanzerGlass® can provide Global Recycled Standard (GRS) transaction certificates for all recycled glass . GRS is an international, voluntary, full product standard that sets requirements for third-party certification of Recycled Content, chain of custody, social and environmental practices, and chemical restrictions.
100% RECYCLED PLASTIC	GRS TRANSACTION CERTIFICATE	✓	PanzerGlass® can provide Global Recycled Standard (GRS) transaction certificates for all recycled plastic . GRS is an international, voluntary, full product standard that sets requirements for third-party certification of Recycled Content, chain of custody, social and environmental practices, and chemical restrictions.
<1% SICKNESS RATE	SINCE STARTING 4DWW TRIAL	✓	In August 2022, PanzerGlass® initiated a global project working towards a 4-day work week to ensure a healthy work-life balance in our organization. Studies have shown that a 4-day work week reduces stress, eliminates sick days, increases efficiency, and makes people happier and more successful in their work. Now we have statistics to prove it!
0% STRESS-RELATED SICK LEAVE	SINCE STARTING 4DWW TRIAL	✓	In August 2022, PanzerGlass® initiated a global project working towards a 4-day work week to ensure a healthy work-life balance in our organization. Studies have shown that a 4-day work week reduces stress, eliminates sick days, increases efficiency, and makes people happier and more successful in their work. Now we have statistics to prove it!

TAKING ACTION THAT MATTERS

FOR YOUR SCREENS AND OUR PLANET