

Product Carbon Footprint Analysis

Dashboard for "pjtrjeeefd" (1.0 unit)

Net Product Carbon Footprint: 123.603 kg CO₂e

System Boundary: factory_gate | Production Country: China | Standard: GHG Protocol

Net Emissions per Unit

123.603 kg CO₂e

Overall environmental impact

Top Emission Hotspot

Use Phase

100.80 kg CO₂e (81.55% of Net PCF)

Primary GHG Scope

Scope 3

Value Chain Emissions (Upstream & Downstream)

Recommended Actions for Reduction

- ✓ **Enhance Product Energy Efficiency:** Focus R&D on reducing energy consumption during the product's use phase, directly targeting the largest emission hotspot.
- ✓ **Optimize Logistics & Last-Mile Delivery:** Investigate alternative, lower-carbon transport modes, consolidate shipments, and explore more efficient local delivery solutions.
- ✓ **Increase Renewable Energy Sourcing in Manufacturing:** Further increase the share of renewable energy beyond 60% in manufacturing operations in China to reduce Scope 2 emissions.
- ✓ **Engage Suppliers for Low-Carbon Materials:** Collaborate with material suppliers, especially for high-impact components like Aluminium, to source lower-carbon alternatives or encourage sustainable production practices.

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Data based on illustrative figures and GHG Protocol standards as of May 23, 2026.