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Product Carbon Footprint Analysis

Product: udlfevdnfw

A comprehensive assessment for 1 unit of udlfevdnfw.

21.151 kgCO₂e

Total Carbon Footprint per unit

TOTAL FOOTPRINT

21.151

kgCO₂e / unit

CARBON INTENSITY

21.151

kgCO₂e / unit

TOP MATERIAL HOTSPOT

Battery

(1.44 kgCO₂e)

PRIMARY EMISSION SCOPE

Scope 3

(18.491 kgCO₂e)

Lifecycle Stage Breakdown

Downstream Logistics

58.59%

Raw Materials

15.99%

Use Phase

12.72%

Manufacturing

12.47%

Upstream Logistics

End-of-Life (Credit)

-0.183
kgCO₂e

Recommendations for Reduction

- ✓ **Optimize Downstream Logistics:** Explore electric vehicles, route optimization, or localized distribution centers for last-mile delivery.
- ✓ **Material Decarbonization:** Engage with suppliers for lower-carbon alternatives for high-impact components and reduce material intensity.
- ✓ **Enhanced Renewable Energy:** Continue efforts to transition manufacturing facilities in China and the supply chain to 100% renewable energy.
- ✓ **Strengthen Circular Economy:** Expand product take-back and refurbishment programs to maximize material recovery and minimize waste.