

carboncalcpcf.com

# Product Carbon Footprint Dashboard

Product: **dygsmyvlte**

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**Total PCF: 29.71 kgCO<sub>2</sub>e**

Total Product PCF

**29.71 kgCO<sub>2</sub>e**

For 1.0 unit of dygsmyvlte

Carbon Intensity

**29.71 kgCO<sub>2</sub>e/unit**

Per functional unit

Top Material Hotspot

**Aluminum Casing**

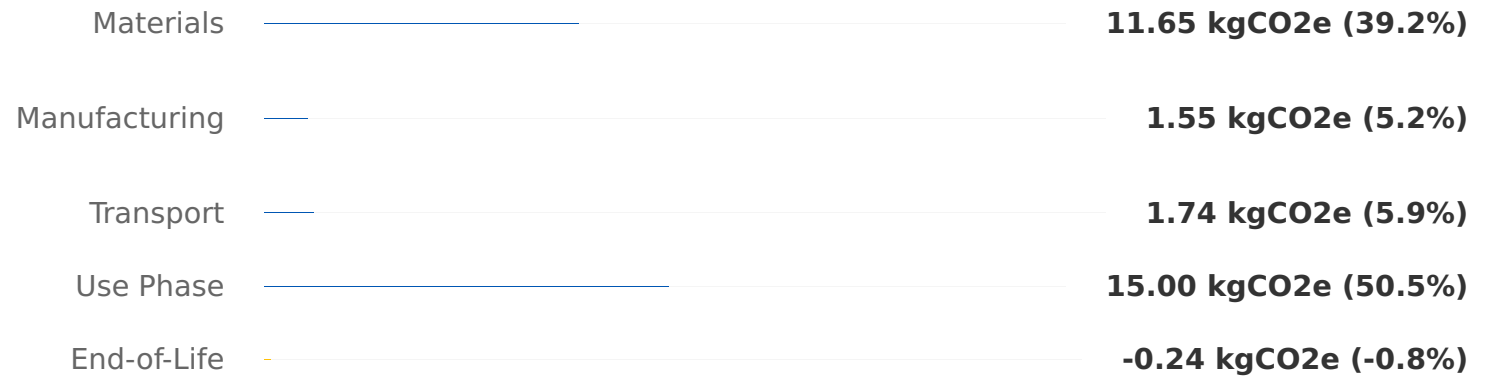
5.00 kgCO<sub>2</sub>e (42.9% of material emissions)

Primary Emission Scope

## Scope 3

94.80% of total PCF

### Lifecycle Stage Breakdown



1. **Optimize Use Phase:** Invest in product design for energy efficiency to significantly reduce energy consumption during the 5-year lifespan of dygsmyvlte.
2. **Sustainable Material Sourcing:** Investigate alternative, lower-carbon materials, especially for the aluminum casing, lithium-ion battery, and PCB, prioritizing transparent and low-carbon suppliers.
3. **Increase Renewable Energy in Manufacturing:** Enhance the share of renewable energy beyond 60% at the China manufacturing facility to further reduce Scope 2 emissions.
4. **Optimize Logistics:** Evaluate opportunities to reduce transport distances and shift to lower-emission modes for both inbound and outbound routes.
5. **Enhance Circularity:** Strengthen existing take-back programs and prioritize design for disassembly to maximize recyclability beyond 80%, increasing end-of-life benefits.