

html

carboncalcpcf.com

Carbon Footprint Dashboard for mpwynpldj

Total PCF: 15.674 kg CO₂e/unit

Key Metrics Overview

Product

mpwynpldj

Quantity: 1.0 unit

Total Footprint

15.674

kg CO2e per unit

Top Emission Hotspot

Use Phase

83.4% of total PCF

Standard & Boundary

GHG Protocol

Factory Gate (Expanded)

Emission Highlights

Dominant Use Phase Impact: The product's energy consumption during its 5-year lifespan contributes a staggering 83.4% of the total carbon footprint, making it the primary area for intervention.

Material Hotspot: Purchased goods and services, particularly the Printed Circuit Board (51.9% of material impact) and Lithium-ion Battery (23.3%), are significant upstream contributors.

Manufacturing Efficiency: Despite 50% renewable energy use, the remaining grid electricity in China still accounts for a notable 10.0% of the total footprint.

How to Reduce Your Footprint

Optimize Use Phase Energy Efficiency: Prioritize R&D for low-power modes, energy-efficient components, and user awareness for minimal energy consumption during product use.

Transition to 100% Renewable Energy in Manufacturing: Accelerate efforts to increase renewable energy sourcing at the China production facility beyond the current 50% to drastically reduce Scope 2 emissions.

