

jusnrmyulx
carboncalcpcf.com

Total Carbon Footprint
23.66 kg CO2e Factory Gate + Downstream
System Boundary

23.66

Total PCF (kg CO2e)

1.0 Unit

Functional Unit

Use Phase

Largest Hotspot (~52.8%)

Scope 3

Primary Emission Scope

Lifecycle Stage Breakdown

Raw Materials		10.57%
Manufacturing		32.97%
Transportation		3.48%
Use Phase		52.84%
End-of-Life		0.14%

Material Carbon Impact

Steel Casing		50.00%
Plastic Comp.		24.00%
Electronic Board		20.00%
Packaging Card.		6.00%

Key Emission Highlights

- The Use Phase is the dominant emission hotspot, contributing over half (52.8%) of the total product carbon footprint.
- Manufacturing emissions from purchased electricity represent a significant 33.0% of the PCF, highlighting grid impact in China.

