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Carbon Footprint Dashboard for "mtjrjrvxls"

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10.77 kgCO₂e Total PCF **Factory Gate** System Boundary

GHG Protocol Standard

Total Product Carbon Footprint

10.77 kgCO₂e

For 1 unit of mtjrjrvxls

Carbon Intensity

27.62 kgCO₂e/kg

Based on 0.39 kg product weight

Top Material Hotspot

PCB (0.75 kgCO₂e)

Printed Circuit Board

Primary Emission Scope

Use Phase

83.99% of total PCF

Lifecycle Stage Breakdown

Purchased Goods & Services (Materials)	1.67 kgCO ₂ e (15.50%)
Production (Scope 2 Electricity)	0.93 kgCO ₂ e (8.63%)
Upstream Transportation	0.01 kgCO ₂ e (0.09%)
Downstream Transportation	0.03 kgCO ₂ e (0.28%)
Use of Sold Products	9.05 kgCO ₂ e (83.99%)
End-of-Life Treatment (Credit)	-0.92 kgCO ₂ e (-8.54%)

Note: Negative percentage for End-of-Life indicates a carbon credit due to recycling efforts.

Material Carbon Impact (kgCO₂e)

Printed Circuit Board (PCB)	0.750 kgCO ₂ e
ABS Plastic Casing	0.500 kgCO ₂ e
Lithium-ion Battery	0.300 kgCO ₂ e
Packaging (Cardboard)	0.080 kgCO ₂ e
Copper Wire	0.038 kgCO ₂ e

Total Material Carbon: 1.668 kgCO₂e

