

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
LOP-600	8.63	Raw Material Manufacturing	8.37	96.99	LOP-600-12	2024/2/11
		Raw Material Transportation	<0.01	0.00		
		Power Supply Manufacturing	0.26	3.01		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. In the future, we plan to integrate carbon footprint assessments of the supply chain along with training and exchanges, gradually establishing the MWPPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	8.3714	100.00%
1A: Resistance Category	0.2994	3.58%
1B: Capacitance Category	0.5333	6.37%
1C: Semiconductor Category	3.1492	37.62%
1D: Inductor Category	2.4501	29.27%
1E: Electronic Components Category	0.0805	0.96%
1F: Wire, Connector, AC Cable	0.0152	<0.01%
1G: Metal Category	0.0686	0.82%
1H: Insulation, Plastic Category	0.0230	<0.01%
1J: Packaging	0.0533	0.64%
1M: Manufacturing Consumables	0.0212	<0.01%
1Z: PCB Printed Circuit Board	0.1337	1.60%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.5899	7.05%
2C: SMD Semiconductor Category	0.9418	11.25%
4A: Screws, Washers, Copper Columns	0.0116	<0.01%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0004	<0.01%
5D: Cardboard	<0.0001	<0.01%

SDG Group Carbon Neutrality Team