

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
XLN-40	1.74	Raw Material Manufacturing	1.63	93.67	XLN-40-H	2025/3/27
		Raw Material Transportation	0.01	0.58		
		Power Supply Manufacturing	0.10	5.76		

Raw Material Manufacturing Stage Information

Note: The carbon footprint calculation for raw material manufacturing is based on the global SimaPro database coefficients. Combine supply chain carbon footprint assessment with training and communication, and gradually establish MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	1.6270	100.00%
1*: CASE Category	0.1500	9.22%
1A: Resistance Category	0.1560	9.59%
1B: Capacitance Category	0.1934	11.89%
1D: Inductor Category	0.3562	21.89%
1E: Electronic Components Category	0.0031	<0.01%
1F: Wire, Connector, AC Cable	0.0291	1.79%
1H: Insulation, Plastic Category	0.0232	1.43%
1J: Packaging	0.0581	3.57%
1M: Manufacturing Consumables	<0.0001	<0.01%
1Z: PCB Printed Circuit Board	0.1248	7.67%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2409	14.81%
2C: SMD Semiconductor Category	0.2591	15.93%
2D: SMD Inductor Category	0.0332	2.04%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%

SDG Group Carbon Neutrality Team