

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NGE100	4.60	Raw Material Manufacturing	4.42	96.09	NGE100	2025/3/28
		Raw Material Transportation	0.01	0.22		
		Power Supply Manufacturing	0.17	3.70		

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	4.4183	100.00%
1*: CASE Category	0.2442	5.53%
1B: Capacitance Category	0.1102	2.49%
1D: Inductor Category	1.1572	26.19%
1E: Electronic Components Category	0.7477	16.92%
1F: Wire, Connector, AC Cable	0.0575	1.30%
1G: Metal Category	0.0063	<0.01%
1H: Insulation, Plastic Category	0.0246	0.56%
1J: Packaging	0.2002	4.53%
1M: Manufacturing Consumables	0.2616	5.92%
1Z: PCB Printed Circuit Board	0.1868	4.23%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.2397	5.42%
2C: SMD Semiconductor Category	1.1687	26.45%
2D: SMD Inductor Category	0.0134	<0.01%
4B: Stickers	0.0003	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0001	<0.01%
5D: Cardboard	<0.0001	<0.01%

SDG Group Carbon Neutrality Team