

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
NPP-1700	31.95	Raw Material Manufacturing	30.32	94.90	NPP-1700-12	2024/2/11
		Raw Material Transportation	0.06	0.19		
		Power Supply Manufacturing	1.57	4.91		

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 MWPro database coefficients.

Raw Material Category	Raw Material Manufacturing Emission(KgCO2e)	Percentage
Subtotal	30.3162	100.00%
1*: CASE Category	0.9728	3.21%
1A: Resistance Category	0.4761	1.57%
1B: Capacitance Category	1.7275	5.70%
1C: Semiconductor Category	8.5082	28.06%
1D: Inductor Category	10.0398	33.12%
1E: Electronic Components Category	0.4380	1.44%
1F: Wire, Connector, AC Cable	0.0305	<0.01%
1G: Metal Category	0.3057	1.01%
1H: Insulation, Plastic Category	0.4288	1.41%
1J: Packaging	0.8595	2.84%
1M: Manufacturing Consumables	0.3178	1.05%
1Z: PCB Printed Circuit Board	1.6742	5.52%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	0.6843	2.26%
2C: SMD Semiconductor Category	3.6010	11.88%
2D: SMD Inductor Category	0.0063	<0.01%
4A: Screws, Washers, Copper Columns	0.2452	0.81%
4B: Stickers	0.0001	<0.01%
5A: Outer Box	<0.0001	<0.01%
5B: Casing	0.0002	<0.01%
5F: Pulp Molding	<0.0001	<0.01%

SDG Group Carbon Neutrality Team