

SDG Group Product Carbon Footprint Declaration

Product Series	Carbon Footprint (KgCO2e/pcs)	Stage	Carbon Emission (KgCO2e)	Percentage (%)	Reference Model	Update Date
PHP-3500	48.64	Raw Material Manufacturing	45.36	93.26	PHP-3500-24	2024/2/7
		Raw Material Transportation	0.07	0.14		
		Power Supply Manufacturing	3.21	6.60		

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	45.3561	100.00%
1*: CASE Category	0.7275	1.60%
1A: Resistance Category	2.3206	5.12%
1B: Capacitance Category	1.2615	2.78%
1C: Semiconductor Category	17.1703	37.86%
1D: Inductor Category	11.3556	25.04%
1E: Electronic Components Category	0.3799	0.84%
1F: Wire, Connector, AC Cable	0.0491	<0.01%
1G: Metal Category	0.3227	0.71%
1H: Insulation, Plastic Category	1.0857	2.39%
1J: Packaging	0.4929	1.09%
1M: Manufacturing Consumables	0.1237	<0.01%
1Z: PCB Printed Circuit Board	2.5726	5.67%
2A: SMD Resistance Category	<0.0001	<0.01%
2B: SMD Capacitance Category	1.0740	2.37%
2C: SMD Semiconductor Category	5.4942	12.11%
2D: SMD Inductor Category	0.0502	<0.01%
2F: SMD Wire, Connector, AC Cable	0.0480	<0.01%
2N: Surface Mount Device Others	<0.0001	<0.01%
4A: Screws, Washers, Copper Columns	0.2183	<0.01%
4B: Stickers	<0.0001	<0.01%
5A: Outer Box	0.3286	0.72%
5B: Casing	<0.0001	<0.01%
5F: Pulp Molding	0.2808	0.62%