



## Which material is good for outdoor power supply

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It is a portable energy storage device designed specifically for outdoor activities, which can provide power to electronic devices, lighting, cooking, etc. at any time, making it more convenient and comfortable for people to spend good times in outdoor activities.

**Selection of Plastic Materials for Outdoor Power Supplies**

The selection of plastic materials for outdoor power supplies mainly considers the following aspects:

**Safety:** The outdoor power supply has lithium-ion batteries inside, which need to have good flame retardancy and insulation to prevent dangerous situations such as short circuits, overheating, and fires.

**Durability:** Outdoor power supplies need to be used in various harsh environments and have good temperature resistance, corrosion resistance, impact resistance, and wear resistance to prevent deformation or damage to the casing due to temperature changes, water vapor intrusion, collision and falling.

**Aesthetics:** As a consumer product, outdoor power supplies also need to have a certain degree of aesthetics and design sense, good glossiness, color and formability, and be able to present various shapes and colors.

According to the above requirements, there are several common plastic materials for outdoor power supplies on the market:

**PC (Polycarbonate):** PC is a tough thermoplastic resin with high strength, transparency, temperature resistance, and flame retardancy, making it an ideal plastic material for outdoor power supplies.

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