

Product-related Initiatives for the Environment

Basic Approach

The MinebeaMitsumi Group declares in its Basic CSR Policy that it will contribute to global environmental sustainability and sustainable human development through stable supply and making reliable products with low energy consumption widely available.

Since its products are utilized in many different kinds of end-products, the Group believes that it is important to consider environmental contributions throughout the product life cycle. This responsibility extends from ensuring that its products (parts) are free of materials hazardous to the environment, energy-efficiency, resource-efficiency, and long-life.

Creating environmentally friendly products is set in the Group's materialities (priority issues).

MinebeaMitsumi Group Environmentally Friendly Products

Approximately 40% of global electric power is used by motors, while another 25% is accounted for by lighting. The MinebeaMitsumi Group believes that increasing the performance and energy efficiency of these products can have a substantial impact on reducing energy consumption, so we strive to enhance performance and quality.

The products that the Group produces and sells are environmentally conscious. This means that they satisfy various countries' environmental laws and customers' environmental requirements from the development and design stage as well as undergoing voluntary product chemical substance evaluations and product assessments.

Starting in FY2019, the Group is organizing and announcing these developed products as MinebeaMitsumi Green products.

MS-V7 SALIOT LED Spotlight (with tracking function)

MinebeaMitsumi created a stir in the lighting industry with its ultra-thin lenses for LED lighting using ultra-thin optical guide plate technology. Moreover, SALIOT combines the optical technologies represented by these ultra-thin lenses with motors, power supplies, wireless functions, and multiple different products and technologies.

SALIOT reduces wasted light with narrow light distribution and a glareless¹ design, cutting CO₂ emissions by approximately 66% compared to earlier products (products of other companies²).

Moreover, weight has

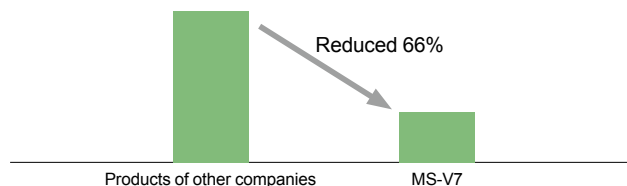


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been reduced by 34.4% by replacing aluminum die cast parts with pressed metal and resin components and making other changes. Miniaturization of the circuit board as a result of lower power consumption and other advancements make possible a product that is 38.9% more compact.

1. Elimination of unequal light intensity distribution.
2. General products of other companies when under equivalent ceiling height and downright illumination intensity conditions.

Graph of Annual CO₂ Emissions



AC Adaptors for Domestic Information Terminals (Smart Phones)

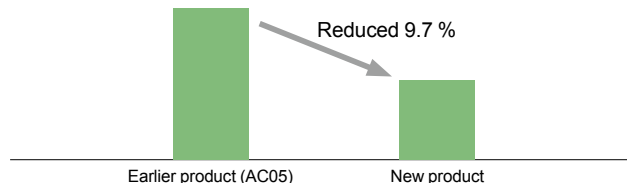
We reviewed the internal structures and circuit formats of MinebeaMitsumi AC adaptors for domestic information terminals to make them smaller, higher capacity, and higher efficiency compared to earlier products.

Assuming that a charger is used for charging for three hours and is in standby for 21 hours each day over the course of a year (365 days), CO₂ emissions have been reduced by approximately 9.7% compared to earlier products.



An AC adaptor

Annual CO₂ Emissions



Future Issues and Goals

The MinebeaMitsumi Group introduced the MinebeaMitsumi Green Products Certification Program on a full scale in FY2019. We will accurately discern the specified needs of society and develop new products that contribute to safety, energy saving, low resource use, and longer product lives.