



Commendation Program

Kyocera Global Environment Contribution Award (9th: FY2006)

Grand Award Category "Development of Global Environmental Preserving Products"

Environmental Preserving LCDs for industrial use "V Series"

While RoHS Directive is attracting wide attention in Europe, Kyocera developed the first LCDs for industrial use conforming to the RoHS Directive in the market.

As a result of selection of components with higher heat resistance and review of soldering conditions for electronic components assembly; (1) lead-free solder is used for electronic components assembly and (2) components not containing lead at all are used. Completely lead-free is thus achieved. LED backlight is adopted instead of compact fluorescent lamp, though not controlled on RoHS, becomes completely mercury free.



LCDs for industrial use "V Series"

Grand Award Category "Energy Conservation"

Multi-Energy Operation System

The multi-energy operation system is a system to operate a cogeneration system, absorption type refrigerator and turbo refrigerator in combination.

When a cogeneration system is operated, the absorption-type refrigerator is operated under steam generated from waste heat boiler, simultaneously with power generation. When the cogeneration system is stopped, the turbo refrigerator is operated in priority to supply cold heat.

Energy conservation and energy cost savings are aimed at through continuously optimizing operation of the system depending on season, time zone and plant operating condition.

Excellent Award Category "Development of Global Environmental Preserving Products"

Flat Roof Tile Type Solar Modules "HEYBAN" and Power Conditioners "ECONOLINE EX"

"HEYBAN" is the module with solar cells functioning as roofing materials to meet the needs in the newly built housing market. For roofing with flat tiles and 2 kinds of long and short modules, the "stylish and powerful" concept is realized.

"ECONOLINE EX" is the new power conditioner that has achieved a top-class power conversion efficiency of 94.5% as well as improved design with thinner form.

Excellent Award Category "Development of Global Environmental Preserving Products"

Mobile Handset TU-KA S

Extremely simple mobile handset features in voice communication comply with a simple product line of TU-KA.

As a result of excluding functions, these products contribute to energy conservation such as reducing power consumption and longer battery life in addition to resource saving such as materials reduction with no manual required.

Excellent Award Category "Waste Reduction"

Waste Reduction through Introduction of Green Sheet Heat Treatment Facility

Green sheet waste is the waste raw material generated during manufacturing of multi-layer ceramic packages. We introduced a facility that can heat this green color sheet shape waste at high temperature (about 1,350°C) in a rotary kiln for recycling as refractory materials. The facility thus enables effective use of energy through vaporization of waste grinding fluid, using waste heat from the rotary kiln, and supply of steam converted from excess waste heat to a production process.

Kyocera Global Environment Contribution Award

We established the "Kyocera Global Environment Contribution Award" in fiscal 1997 for encouraging our environmental preservation activities. The award is to commend the activities having made a great contribution to the global environment with original and epoch-making ideas during our environmental preservation activities every year.

Excellent Award Category "Global Warming Prevention Activities"

Elimination of SF₆ Gas through Change of Polarization Method

Since piezoelectric ceramic is polarized at high voltage, SF₆ gas had to be filled in the polarization tank for insulation. As a result of special processing of piezoelectric ceramic, SF₆ gas could be eliminated.

While Kyocera is promoting company-wide global warming prevention activities, a very large amount of 7,442 ton-CO₂/year (about 2% of total Kyocera emission) has been reduced as a result of this elimination.

Excellent Award Category "Global Warming Prevention Activities"

Reduction of Greenhouse Gases through of Change of Fuels

In major plants, fuels used by gas consumption facilities such as boilers, refrigerators, gas furnaces and deodorizing furnaces were changed from LPG to LNG that is featured in small CO₂ emission, resulting in the reduction of 2,394 ton-CO₂/year of greenhouse gases. We intend to expand changing fuels in other plants as well for promoting the further reduction of greenhouse gases emission.

Others

Excellent Award Category "Resources Conservation"

Reduction of Raw Materials of Thermal Print Heads for Digital Photo Printers

Excellent Award Category "Resources Conservation"

Reduction of Green Sheet used through Introduction of Cleaning Device for Printer Units