



FDK “Ni-MH Batteries”

FDK manufactures Ni-MH batteries that are rechargeable and reusable in addition to disposable Alkaline batteries that is easy to buy and use very conveniently.

Ni-MH batteries provide superior environmental performance and safety as a battery that can be used more ecologically and safely than Lead storage batteries, Nickel-cadmium batteries, and Lithium-ion batteries, which are equivalent rechargeable batteries.

(Used small type Ni-MH batteries are recycled for reuse by separating and refining materials such as the vital nickel, cobalt, and rare earth materials.)

FDK Ni-MH batteries (small type) are used by customers throughout the world and have earned the top^{*1} production share worldwide.

The standard type retain approximately 90% capacity after one year and a roughly 70% capacity even after ten years when fully charged thanks to the prevention of self-discharge, and these batteries can even be used immediately after long-term storage.

FDK is providing products tailored to meet the needs of customers such as the high capacity type of batteries for large current devices like flashes for cameras that can even be used safely outdoors in low temperatures below 20 degrees Celsius as well as the standard type of batteries perfect for devices that are frequently used for remote controllers and clocks.

Ni-MH batteries not only offer features such as repetitive use as well as superior recyclability but also heighten the effectiveness in actions to save resources, save energy, and reduce the environmental impact from reducing the usage of rare metals and the recycling materials such as nickel collected at the FDK Takasaki Plant, which is a manufacturing site, to the use of electricity generated by solar power for some of the initial charging upon shipment from our plant.

*1: Results from FY2015. These results are based on the “Battery Market 2016: Comprehensive Survey for Current Aspect Vol. 1” published by Fuji Keizai.



Batteries Tied to the Sun

The Ni-MH batteries manufactured at the Takasaki Plant are not only rechargeable but also use electricity generated from solar power for the initial charging upon shipment from our plant.

These truly are **“Batteries Storing the Sun”**.

View of Takasaki Plant



Solar Panels on the Roof



Power Generation and CO₂ Reduction Through Solar Panels at the Takasaki Plant (January to December 2016)

Power Generation

146.85MWh

CO₂ Reductions

83.7t

*2: Calculated with the Fujitsu Group's CO₂ emissions coefficient: 0.570 (t-CO₂/MWh).