



Eneloop

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Every time you reuse eneloop, you're saving on the cost of replacement dry batteries and reducing waste. Your investment pays for itself over the life of the product, and you'll feel great about doing your part for the earth.

We've improved the metal-hydride alloy lattice inside your eneloop battery so that it retains 70%* capacity even after 10 years in storage. The design also resists voltage drop during discharge and minimizes loss of capacity. Once charged, you can trust eneloop to work just like a dry battery, and its long storage life is great in emergencies.

* Capacity based on testing method established by IEC 61951-2 (7.3.2) when stored at 20 °C (based on Panasonic's estimation) and compared with minimum capacity. Varies according to conditions of use.

A battery is like a tube of toothpaste. You can squeeze it in the middle or roll it up carefully from the bottom. Dry batteries squeeze out a large flow of voltage that drops away quickly. By contrast, the voltage from eneloop flows out steadily for longer, right up until the battery is depleted. This means your devices work reliably, and you use more of the energy in the battery. Devices powered with dry batteries, on the other hand, might stop working before the batteries are completely flat because they can't get enough voltage.

Note: The graph opposite shows an AA-size eneloop tested against a competitive AA-size alkaline battery under continuous discharge at 500 mA, 25 °C. Values are approximate.

A digital camera equipped with eneloop can take 4.4 times* as many shots before running out as a digital camera equipped with standard alkaline batteries. Enjoy longer battery life and better device reliability between charges with eneloop.

* Based on Panasonic's internal testing of AA size eneloop and conventional alkaline batteries. Results may vary depending on the equipment used and other conditions.

Your eneloop batteries maintain excellent discharge performance even when used in heat and cold. The batteries are rated for use in temperatures between -20 °C and 50 °C, which is great for outdoor activities such as skiing, hiking, photography, and camping.

All batteries rely on a chemical reaction to discharge power, and freezing conditions can slow or even stop these reactions. Your eneloop battery is more resistant to the effects of cold and can work in temperatures as low as -20 °C. Use your devices with confidence wherever your day takes you.

Note: Graph opposite is based on Panasonic's own testing of AA-size eneloop and a comparable alkaline battery under continuous discharge at 500 mA, 0 °C. Results may vary depending on the equipment used and



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other conditions. Note: Operation time will be shorter than operation at room temperature and varies according to the equipment used.

Before eneloop batteries are shipped, they're charged with solar energy at the factory as part of our participation in the Green Certificate system and the Panasonic Environment Vision 2050 initiative, where our company aims to generate more energy than we use by 2050. Of course, pre-charging means you can use eneloop immediately after purchase.

eneloop is designed, manufactured, and tested in Japan to rigorous quality control standards and is available in about 70 countries* around the world. Use with the confidence that comes from products made to the highest standards of Japanese craftsmanship.

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