

# Green-Cap(EDLC) Principle and Features

**SAMWHA ELECTRIC**

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## Principle of Green-Cap

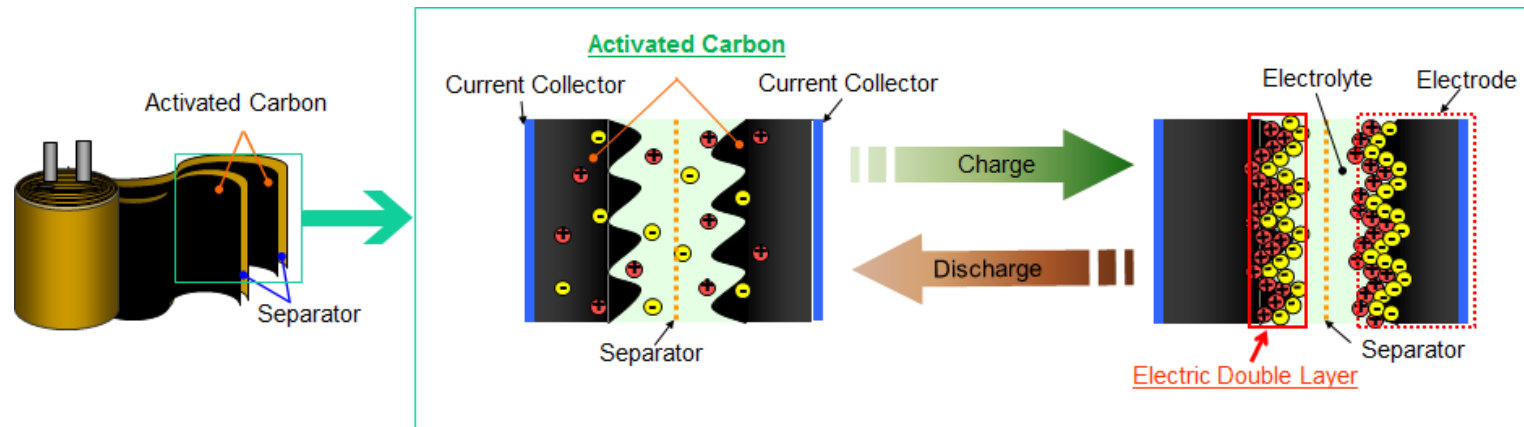
Green-Cap stores electrical energy using the electric double layer that is created at the interface between the electrode surface and the electrolyte.

## Eco-friendly product

The eco-friendly charcoal electrode expands the surface area per unit area to deliver high energy density compared to the Capacitor.

## Fast/unlimited charge and discharge, Long-life product

Green-Cap has feature that is not electrochemical reaction, whereby rapid electrical charge and discharge is possible and have longer life cycle.



- EDLCs store electrical energy using the electric double layer that is created at the interface between the electrode surface and the electrolyte.
- The electrodes are made of activated carbon, which has a high surface area per unit volume, further increasing the capacitor's energy density.
- EDLC has feature that is not electrochemical reaction, whereby rapid electrical charge and discharge is possible and have longer life cycle.